Product comparison guide

IP video solutions

Choose with confidence.

PELCO

by Schneider Electric

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As the global leader in the design and development of video and security systems, Pelco by Schneider Electric™ produces an unmatched array of IP cameras, HD displays, and network video management systems. From end-to-end HD systems to open and integrated solutions, Pelco has an IP video solution to suit your application.

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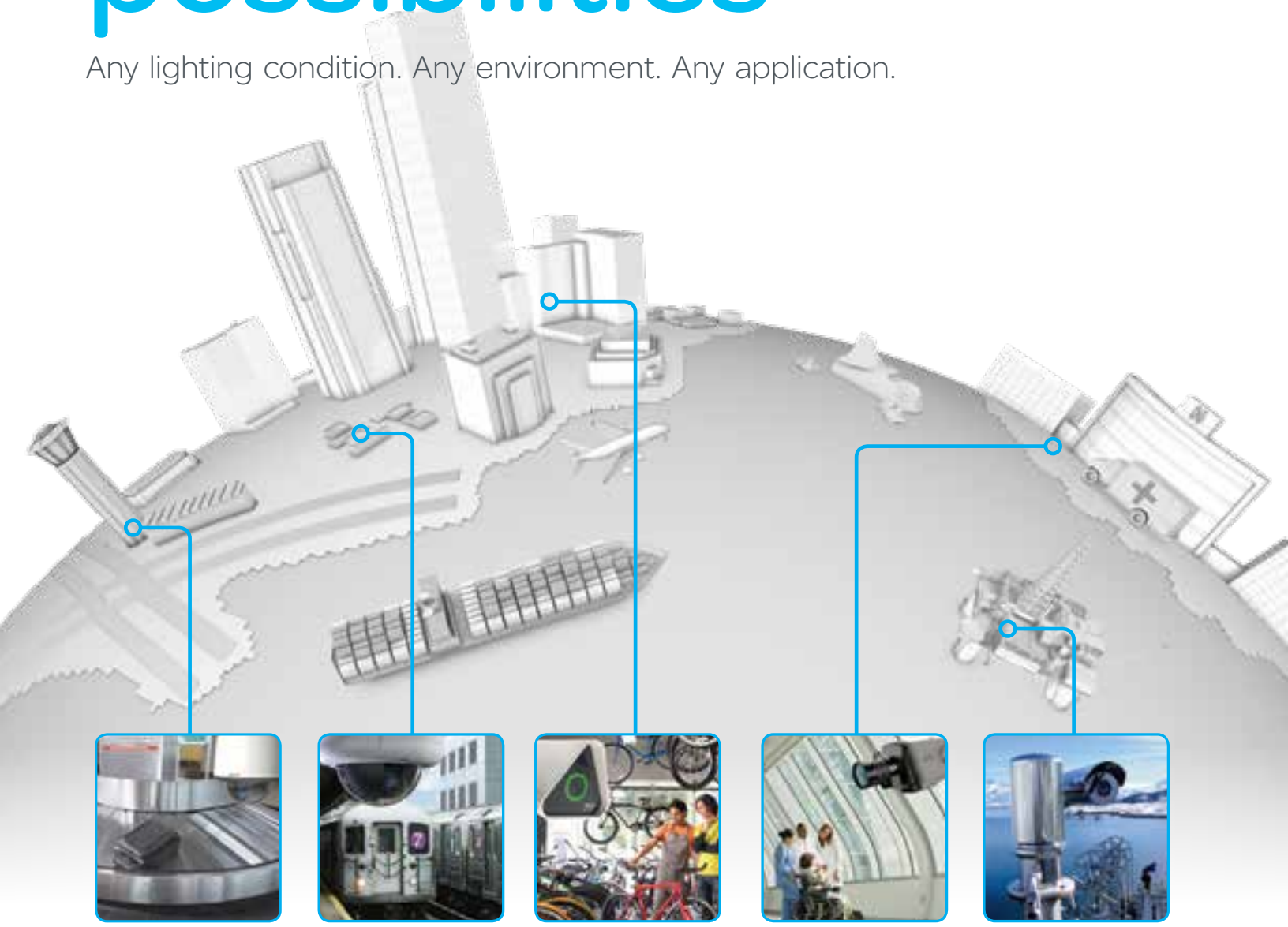
Limitless possibilities

Any lighting condition. Any environment. Any application.



With thousands of IP cameras to choose from, Pelco™ by Schneider Electric™ has the right network-based video surveillance camera for any lighting condition, environment, and application.

Choose with confidence.

PELCO™

by Schneider Electric

Network indoor dome cameras

Designed for performance, premium experience, and mission-critical applications, the Sarix™ Enhanced Range with SureVision 2.0 delivers industry-leading image quality in the most difficult lighting conditions. The Sarix™ Professional Range packs the most popular features and functionality of Sarix technology into a variety of indoor IP cameras. Mix and match the form factors you need for one of the widest selections of cameras in the industry.

	Sarix™ IME series indoor mini domes with SureVision™ 2.0				
	IMES19-1x*	**IME119-1x***	**IME219-1x***	**IME319-1x*, IME319-B1x***	**IME3122-1x*, IME3122-B1x***
Max resolution	800x600	1280x1024	1920x1080	2048x1536	2048x1536
Image sensor	1/3-inch CMOS	1/3-inch CMOS	1/3-inch CMOS	1/3-inch CMOS	1/3-inch CMOS
Lens	3-9 mm, varifocal	3-9 mm, varifocal	3-9 mm, varifocal	3-9 mm, varifocal	9-22 mm, varifocal
Focus/zoom	Auto focus, remote zoom	Auto focus, remote zoom	Auto focus, remote zoom	Auto focus, remote zoom	Auto focus, remote zoom
Day/night	Yes	Yes	Yes	Yes	Yes
Wide dynamic range	100 dB	100 dB	100 dB	100 dB	100 dB
Illumination	0.0013 lux @ f/1.2	0.0013 lux @ f/1.2	0.0013 lux @ f/1.2	0.0013 lux @ f/1.2	0.002 lux @ f/1.6
Video compression	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
Max IPS at max resolution	30 ips	30 ips	30 ips	30 ips	30 ips
Video streams	2 configurable streams	2 configurable streams	2 configurable streams	2 configurable streams	2 configurable streams
Audio	Bidirectional, built-in mic	Bidirectional, built-in mic	Bidirectional, built-in mic	Bidirectional, built-in mic	Bidirectional, built-in mic
Alarm in/out	Yes, multiple alarms with ALM-1 accessory	Yes, multiple alarms with ALM-1 accessory	Yes, multiple alarms with ALM-1 accessory	Yes, multiple alarms with ALM-1 accessory	Yes, multiple alarms with ALM-1 accessory
Analytics	Adaptive motion/camera sabotage	Adaptive motion/camera sabotage	Adaptive motion/camera sabotage	Adaptive motion/camera sabotage	Adaptive motion/camera sabotage
Local storage	Up to 32 GB with microSDHC	Up to 32 GB with microSDHC	Up to 32 GB with microSDHC	Up to 32 GB with microSDHC	Up to 32 GB with microSDHC
Network protocols	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, IPv6, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, ARP, ICMP, and 802.1x (EAP)	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, IPv6, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, ARP, ICMP, and 802.1x (EAP)	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, IPv6, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, ARP, ICMP, and 802.1x (EAP)	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, IPv6, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, ARP, ICMP, and 802.1x (EAP)	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, IPv6, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, ARP, ICMP, and 802.1x (EAP)
Power input	PoE (IEEE 802.3af, class 3)	PoE (IEEE 802.3af, class 3)	PoE (IEEE 802.3af, class 3)	PoE (IEEE 802.3af, class 3)	PoE (IEEE 802.3af, class 3)
Pelco system compatibility	Endura™ 2.0 (or later); Digital Sentry™ 7.3 (or later); DX4700/DX4800, Pelco mobile application™	Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800, Pelco mobile application™	Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800, Pelco mobile application™	Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800, Pelco mobile application™	Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800, Pelco mobile application™
Open connectivity	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S

	Sarix IMP series indoor mini domes				
	IMPS110-1x*	**IMP1110-1x***	**IMP219-1x***	**IMP319-1x***	**IMP519-1x***
Max resolution	800x600	1280x720	1920x1080	2048x1536	2592x1944
Image sensor	1/4-inch CMOS	1/4-inch CMOS	1/3-inch CMOS	1/3-inch CMOS	1/3.2-inch CMOS
Lens	2.8-10 mm, varifocal	2.8-10 mm, varifocal	3-9 mm, varifocal	3-9 mm, varifocal	3-9 mm, varifocal
Focus/zoom	Auto focus, remote zoom	Auto focus, remote zoom	Auto focus, remote zoom	Auto focus, remote zoom	Auto focus, remote zoom
Day/night	Yes	Yes	Yes	Yes	Yes
Dynamic range	65 dB	65 dB	65 dB	65 dB	65 dB
Illumination	0.03 lux @ f/1.4	0.03 lux @ f/1.4	0.03 lux @ f/1.2	0.03 lux @ f/1.2	0.03 lux @ f/1.2
Video compression	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
Max IPS at max resolution	30 ips	30 ips	30 ips	20 ips	12 ips
Video streams	2 configurable streams	2 configurable streams	2 configurable streams	2 configurable streams	2 configurable streams
Audio	Bidirectional	Bidirectional	Bidirectional	Bidirectional	Bidirectional
Alarm in/out	1, in/out	1, in/out	1, in/out	1, in/out	1, in/out
Analytics	Simple motion detection/ camera sabotage	Simple motion detection/ camera sabotage	Simple motion detection/ camera sabotage	Simple motion detection/ camera sabotage	Simple motion detection/ camera sabotage
Local storage	Up to 32 GB with microSDHC or SDXC, record video	Up to 32 GB with microSDHC or SDXC, record video	Up to 32 GB with microSDHC or SDXC, record video	Up to 32 GB with microSDHC or SDXC, record video	Up to 32 GB with microSDHC or SDXC, record video
Network protocols	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP
Power input	PoE (IEEE 802.3af, Class 2), 24 Vac	PoE (IEEE 802.3af, Class 2), 24 Vac	PoE (IEEE 802.3af, Class 3), 24 Vac	PoE (IEEE 802.3af, Class 3), 24 Vac	PoE (IEEE 802.3af, Class 3), 24 Vac
Pelco system compatibility	Digital Sentry 7.3 (or later); Endura 2.0 (or later) Pelco mobile application	Digital Sentry 7.3 (or later); Endura 2.0 (or later) Pelco mobile application	Digital Sentry 7.3 (or later); Endura 2.0 (or later) Pelco mobile application	Digital Sentry 7.3 (or later); Endura 2.0 (or later) Pelco mobile application	Digital Sentry 7.3 (or later); Endura 2.0 (or later) Pelco mobile application
Open connectivity	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S

* Add suffix to specify mount — I for in-ceiling mount, S for surface mount, P for pendant mount

Network indoor dome cameras

The IM Series packs the most popular features and functionality of Sarix technology into a compact & powerful indoor dome enclosure. The Sarix ID Series features remarkably easy one-handed installation and innovative auto back focus. The new Sarix IL Series micro dome cameras are high-definition, cost-effective IP network cameras perfect for most any indoor fixed video security application.

	Sarix IM Series			Sarix ID Series	
	IMS0C10-1	**IM10C10-1 (B1)**	**IM10LW10-1V**	**IDE10DN8-1**	**IDE20DN8-1**
Resolution	800x600	1280x1024	1280x960	1280x1024	1920x1080
Image sensor	1/3-inch CMOS	1/3-inch CMOS	1/3-inch CMOS	1/3-inch CMOS	1/3-inch CMOS
Lens	Integrated 2.8-10 mm	Integrated 2.8-10 mm	Integrated 2.8-10 mm	CS Mount 2.8-8 mm	CS Mount 2.8-8 mm
Focus	Manual	Auto Focus	Auto Focus	Auto Back Focus	Auto Back Focus
Day/night	No	No	Yes	Yes	Yes
Wide dynamic range	60 dB	60 dB	120 dB	N/A	N/A
Illumination	0.12 lux @ f1.2	0.12 lux @ f1.2	.0013 @ f1.2	0.03 lux @ f1.2	0.03 lux @ f1.2
Video compression	H.264, MJPEG, MPEG4	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
Max IPS at max resolution	25 ips, 30 ips	12.5 ips @ 720p, 30 ips @ 720p	12.5 ips @ 720p, 30 ips @ 720p	30 ips @ 720P	30 ips
Audio	Accessory AUD-1	Line-in/Line-out, built-in mic	Line-in/line-out, built-in mic	Accessory AUD-1	Accessory AUD-1
Alarm in/out	No; multiple alarms with ALM-1 accessory	No; multiple alarms with ALM-1 accessory	No; multiple alarms with ALM-1 accessory	1 in/out, multiple alarms with ALM-1 accessory	1 in/out, multiple alarms with ALM-1 accessory
Analytics	Adaptive motion/camera sabotage	Adaptive motion/camera sabotage	Adaptive motion/camera sabotage	Pelco & OV analytics	Pelco & OV analytics
Network protocols	TCP/IP, UDP/IP (unicast, multi-cast IGMP),UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3,QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x(EAP)	TCP/IP, UDP/IP (unicast, multi-cast IGMP),UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3,QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x(EAP)	TCP/IP, UDP/IP (unicast, multi-cast IGMP),UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3,QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x(EAP)	TCP/IP, UDP/IP (unicast, multi-cast IGMP),UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3,QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x(EAP)	TCP/IP, UDP/IP (unicast, multi-cast IGMP),UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3,QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x(EAP)
AC power	No	No	No	24 Vac	24 Vac
PoE	Class 2	Class 2	Class 2	Class 3	Class 3
Video service jack	Yes	Yes	Yes	Yes	Yes
Vandal resistant	No	No	IK10++ 50J	N/A	N/A
Pelco system compatibility	Endura v1.5 (or later); Digital Sentry v4.2 (or later); DX8100 v2.0 (or later); DX4700/4800 v1.0 (or later)	Endura 2.0 (or later); Digital Sentry 4.3 (or later); DX4700/4800 v1.0 (or later)	Endura 2.0 (or later); Digital Sentry 4.3 (or later); DX4700/4800 v1.0 (or later)	Endura 2.0 (or later); Digital Sentry 4.3 (or later); DX4700/4800 v1.0 (or later)	Endura 2.0 (or later); Digital Sentry 4.3 (or later); DX4700/4800 v1.0 (or later)
Open connectivity	Pelco API and ONVIF v1.02 for connecting to 3rd-party systems	Pelco API and ONVIF v1.02 for connecting to 3rd-party systems	Pelco API and ONVIF v1.02 for connecting to 3rd-party systems	Pelco API and ONVIF v1.02 for connecting to 3rd-party systems	Pelco API and ONVIF v1.02 for connecting to 3rd-party systems

	Sarix IL Series Micro Dome Cameras	
	IL10-DP	**IL10-DA**
Resolution	1280x720	1280x720
Image sensor	1/6.9-inch CMOS	1/6.9-inch CMOS
Lens	Fixed - 68 deg diagonal fov	Fixed - 68 deg diagonal fov
Focus	Fixed	Fixed
Day/night	Color only	Color only
Illumination	0.5 lux @ f2.0	0.5 lux @ f2.0
Video compression	H.264	H.264
Max IPS at max resolution	30 ips	30 ips
Video streams	Up to 2	up to 2
Audio	None	None
Alarm in/out	None	None
Motion detection	3 zones + background zone	3 zones + background zone
Network protocols	HTTP, RTP, RTSP, NTP, IPv4, RTCP, UPnP, SSH, SSL	HTTP, RTP, RTSP, NTP, IPv4, RTCP, UPnP, SSH, SSL
Power input	PoE class 1	24 Vac
Compact size	1.5 inch (3.9 mm) dia bubble	1.5 inch (3.9 mm) dia bubble
Pelco system compatibility	Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800	Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800

Network indoor box cameras

Designed for performance, premium experience, and mission-critical applications, the Sarix™ Enhanced Range with SureVision™ 2.0 delivers industry-leading image quality in the most difficult lighting conditions. The new Sarix Value Series mini box cameras are high-definition, cost-effective IP network cameras perfect for most any indoor fixed video security application.

Sarix IXE Series box cameras with SureVision 2.0

	IXES1	IXE11	IXE21	IXE31
Max resolution	800x600	1280x1024	1920x1080	2048x1536
Image sensor	1/3-inch CMOS	1/3-inch CMOS	1/3-inch CMOS	1/3-inch CMOS
Lens	CS mount	CS Mount	CS Mount	CS Mount
Focus	Auto back focus	Auto Back Focus	Auto Back Focus	Auto Back Focus
Day/night	Yes	Yes	Yes	Yes
Wide dynamic range	100 dB	100 dB	100 dB	100 dB
Illumination	0.0013 lux @ f/1.2	0.0013 lux @ f/1.2	0.0013 lux @ f/1.2	0.0013 lux @ f/1.2
Video Compression	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
Max IPS at max resolution	30 ips	30 ips	30 ips	30 ips
Video streams	2 configurable streams	2 configurable streams	2 configurable streams	2 configurable streams
Audio	Bidirectional, built-in mic	Bidirectional, built-in mic	Bidirectional, built-in mic	Bidirectional, built-in mic
Alarm in/out	Yes, multiple alarms with ALM-1 accessory	Yes, multiple alarms with ALM-1 accessory	Yes, multiple alarms with ALM-1 accessory	Yes, multiple alarms with ALM-1 accessory
Analytics	Adaptive motion/camera sabotage	Adaptive motion/camera sabotage	Adaptive motion/camera sabotage	Adaptive motion/camera sabotage
Local Storage	Up to 32 GB with microSDHC	Up to 32 GB with microSDHC	Up to 32 GB with microSDHC	Up to 32 GB with microSDHC
Network protocols	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, IPv6, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, ARP, ICMP, and 802.1x (EAP)	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, IPv6, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, ARP, ICMP, and 802.1x (EAP)	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, IPv6, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, ARP, ICMP, and 802.1x (EAP)	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, IPv6, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, ARP, ICMP, and 802.1x (EAP)
Power input	PoE (IEEE 802.3af, class 3)	PoE (IEEE 802.3af, class 3)	PoE (IEEE 802.3af, class 3)	PoE (IEEE 802.3af, class 3)
Pelco system compatibility	Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800 Pelco Mobile Application	Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800 Pelco mobile application	Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800 Pelco mobile application	Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800 Pelco mobile application
Open connectivity	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S

Sarix IL Series box cameras

	IL10-BP	IL10-BA
Resolution	1280x720	1280x720
Image sensor	1/6.9-inch CMOS	1/6.9-inch CMOS
Lens	Fixed - 68 deg diagonal fov	Fixed - 68 deg diagonal fov
Focus	Fixed	Fixed
Day/night	Color only	Color only
Illumination	0.5 lux @ f2.0	0.5 lux @ f2.0
Video compression	H.264	H.264
Max IPS at max resolution	30 ips	30 ips
Video streams	up to 2	Up to 2
Audio	None	None
Alarm in/out	None	None
Motion detection	3 zones + background zone	3 zones + background zone
Network protocols	HTTP, RTP, RTSP, NTP, IPv4, RTCP, UPnP, SSH, SSL	HTTP, RTP, RTSP, NTP, IPv4, RTCP, UPnP, SSH, SSL
Power input	PoE class 1	24 Vac
Compact size	4.3" (10.9 mm) long	4.3" (10.9 mm) long
Pelco system compatibility	Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800	Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800

SureVision 2.0 simultaneously combines advanced low-light capability, true wide dynamic range (WDR), and anti-bloom technology for clear, detailed images. New advancements include 3D noise filtering, smooth response to illumination changes, and improved tone mapping to retain color accuracy and overall image contrast, ensuring the best possible image when a single scene contains bright areas, shaded areas, and intense light.

Network indoor box cameras

Sarix utilizes a groundbreaking technology platform built upon the three pillars of innovative imaging: science, sophisticated industrial design, and advanced processing power. Available across a complete family of fixed box and dome cameras, Sarix technology maximizes the benefits of megapixel performance with industry-leading features and capabilities.

	Sarix IXP Series Indoor box cameras				
	IXPS1	IXP11	IXP21	IXP31	IXP51
Max resolution	800x600	1280x720	1920x1080	2048x1536	2592x1944
Image sensor	1/4-inch CMOS	1/4-inch CMOS	1/3-inch CMOS	1/3-inch CMOS	1/3.2-inch CMOS
Lens	CS mount	CS mount	CS mount	CS mount	CS mount
Focus	Auto back focus	Auto back focus	Auto back focus	Auto back focus	Auto back focus
Day/night	Yes	Yes	Yes	Yes	Yes
Dynamic range	65 dB	65 dB	65 dB	65 dB	65 dB
Illumination	0.03 lux @ f/1.4	0.03 lux @ f/1.4	0.03 lux @ f/1.2	0.03 lux @ f/1.2	0.03 lux @ f/1.2
Video compression	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
Max IPS at max resolution	30 ips	30 ips	30 ips	20 ips	12 ips
Video streams	2 configurable streams	2 configurable streams	2 configurable streams	2 configurable streams	2 configurable streams
Audio	Bidirectional	Bidirectional	Bidirectional	Bidirectional	Bidirectional
Alarm in/out	1, in/out	1, in/out	1, in/out	1, in/out	1, in/out
Analytics	Simple motion detection/ camera sabotage	Simple motion detection/ camera sabotage	Simple motion detection/ camera sabotage	Simple motion detection/ camera sabotage	Simple motion detection/ camera sabotage
Local storage	Up to 32 GB with microSDHC or SDXC, record video	Up to 32 GB with microSDHC or SDXC, record video	Up to 32 GB with microSDHC or SDXC, record video	Up to 32 GB with microSDHC or SDXC, record video	Up to 32 GB with microSDHC or SDXC, record video
Network protocols	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP
Power input	PoE (IEEE 802.3af, class 2), 24 Vac	PoE (IEEE 802.3af, class 2), 24 Vac	PoE (IEEE 802.3af, class 3), 24 Vac	PoE (IEEE 802.3af, class 3), 24 Vac	PoE (IEEE 802.3af, class 3), 24 Vac
Pelco system compatibility	Digital Sentry 7.3 (or later); Endura 2.0 (or later), Pelco mobile application	Digital Sentry 7.3 (or later); Endura 2.0 (or later), Pelco mobile application	Digital Sentry 7.3 (or later); Endura 2.0 (or later), Pelco mobile application	Digital Sentry 7.3 (or later); Endura 2.0 (or later), Pelco mobile application	Digital Sentry 7.3 (or later); Endura 2.0 (or later), Pelco mobile application
Open connectivity	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S

	Sarix IX Series				Sarix IX Series with SureVision
	IXS0C	IXS0DN	IXE10DN	IXE20DN	SureVision IXE10LW
Resolution	800x600	800x600	1280x1024	1920x1080	1280x960
Image sensor	1/3-inch CMOS	1/3-inch CMOS	1/3-inch CMOS	1/3-inch CMOS	1/3-inch CMOS
Lens	CS mount	CS mount	CS mount	CS mount	CS mount
Focus	Auto back focus	Auto back focus	Auto back focus	Auto back focus	Auto back focus
Day/night	No	Yes	Yes	Yes	Yes
Wide dynamic range	60 dB	60 dB	60 dB	60 dB	120 dB
Illumination	0.12 lux @f1.2	0.03 lux @f1.2	0.03 lux @f1.2	0.03 lux @f1.2	.0013 @ f1.2
Video compression	H.264, MJPEG, MPEG4	H.264, MJPEG, MPEG4	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
Max IPS at max resolution	25 ips, 30 ips	25 ips, 30 ips	30 ips @ 720P	30 ips	30 ips
Audio	Accessory AUD-1	Accessory AUD-1	Accessory AUD-1	Accessory AUD-1	Accessory AUD-1
Alarm in/out	1 in/out, Multiple alarms with ALM-1 accessory	1 in/out, Multiple alarms with ALM-1 accessory	1 in/out, Multiple alarms with ALM-1 accessory	1 in/out, Multiple alarms with ALM-1 accessory	1 in/out, Multiple alarms with ALM-1 accessory
Analytics	Adaptive Motion/Camera Sabotage	Adaptive Motion/Camera Sabotage	Pelco & OV Analytics	Pelco & OV Analytics	Pelco & OV Analytics
Network protocols	TCP/IP, UDP/IP (unicast, multicast IGMP),UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3,QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x(EAP)	TCP/IP, UDP/IP (unicast, multicast IGMP),UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3,QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x(EAP)	TCP/IP, UDP/IP (unicast, multicast IGMP),UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3,QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x(EAP)	TCP/IP, UDP/IP (unicast, multicast IGMP),UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3,QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x(EAP)	TCP/IP, UDP/IP (unicast, multicast IGMP),UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3,QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x(EAP)
AC power	24 Vac	24 Vac	24 Vac	24 Vac	24 Vac
PoE	Class 3	Class 3	Class 3	Class 3	Class 3
Video service jack	Yes	Yes	Yes	Yes	Yes
Pelco system compatibility	Endura v1.5 (or later); Digital Sentry v4.2 (or later); DX8100 v2.0 (or later); and DX4700/4800 v1.0 (or later)	Endura v1.5 (or later); Digital Sentry v4.2 (or later); DX8100 v2.0 (or later); and DX4700/4800 v1.0 (or later)	Endura 2.0 (or later); Digital Sentry 4.3 (or later); DX4700/4800 v1.0 (or later)	Endura 2.0 (or later); Digital Sentry 4.3 (or later); DX4700/4800 v1.0 (or later)	Endura 2.0 (or later); Digital Sentry 4.3 (or later); DX4700/4800 v1.0 (or later)
Open connectivity	Pelco API and ONVIF v1.02 for connecting to 3rd-party systems	Pelco API and ONVIF v1.02 for connecting to 3rd-party systems	Pelco API and ONVIF v1.02 for connecting to 3rd-party systems	Pelco API and ONVIF v1.02 for connecting to 3rd-party systems	Pelco API and ONVIF v1.02 for connecting to 3rd-party systems

Network environmental bullet camera

The Sarix Professional Range rounds out the Sarix family by offering Pelco's first IP environmental bullet camera and our first IP environmental mini dome with IR camera. Available with up to 5 MPx resolution, they capture up to 30 images per second (ips) at 1080p. All Sarix Professional cameras integrate with major third-party video management systems through the Pelco API and the open ONVIF Profile S standard.

	Sarix IBP Series environmental bullets with IR				
	IBPS110-ER	**IBP1110-ER**	**IBP2119-ER**	**IBP3119-ER**	**IBP5119-ER**
Max resolution	800x600	1280x720	1920x1080	2048x1536	2592x1944
Image sensor	1/4-inch CMOS	1/4-inch CMOS	1/3-inch CMOS	1/3-inch CMOS	1/3.2-inch CMOS
Lens	2.8-10 mm, varifocal	2.8-10 mm, varifocal	3-9 mm, varifocal	3-9 mm, varifocal	3-9 mm, varifocal
Focus/zoom	Auto focus, remote zoom	Auto focus, remote zoom	Auto focus, remote zoom	Auto focus, remote zoom	Auto focus, remote zoom
Day/night	Yes	Yes	Yes	Yes	Yes
Dynamic range	65 dB	65 dB	65 dB	65 dB	65 dB
Illumination	0.03 lux @ f/1.4	0.03 lux @ f/1.4	0.03 lux @ f/1.2	0.03 lux @ f/1.2	0.03 lux @ f/1.2
Video compression	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
Max IPS at max resolution	30 ips	30 ips	30 ips	20 ips	12 ips
IR illumination	Yes, adaptive IR	Yes, adaptive IR	Yes, adaptive IR	Yes, adaptive IR	Yes, adaptive IR
Video streams	2 configurable streams	2 configurable streams	2 configurable streams	2 configurable streams	2 configurable streams
Audio	Bidirectional	Bidirectional	Bidirectional	Bidirectional	Bidirectional
Alarm in/out	1, in/out	1, in/out	1, in/out	1, in/out	1, in/out
Analytics	Simple motion detection/ camera sabotage	Simple motion detection/ camera sabotage	Simple motion detection/ camera sabotage	Simple motion detection/ camera sabotage	Simple motion detection/ camera sabotage
Local storage	Up to 32 GB with microSDHC or SDXC, record video	Up to 32 GB with microSDHC or SDXC, record video	Up to 32 GB with microSDHC or SDXC, record video	Up to 32 GB with microSDHC or SDXC, record video	Up to 32 GB with microSDHC or SDXC, record video
Network protocols	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP
Power input	PoE (IEEE 802.3af, class 3), 24 VAC	PoE (IEEE 802.3af, class 3), 24 VAC	PoE (IEEE 802.3af, class 3), 24 VAC	PoE (IEEE 802.3af, class 3), 24 VAC	PoE (IEEE 802.3af, class 3), 24 VAC
Pelco system compatibility	Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco mobile application	Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco mobile application	Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco mobile application	Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco mobile application	Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco mobile application
Open connectivity	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S

With thousands of IP camera options to choose from, there's a Pelco by Schneider Electric IP camera suitable for every lighting condition, environment, and application imaginable. From fixed, entry-level cameras, to high-performance extreme environment pan/tilt/zoom (PTZ) systems, to thermal imaging, Pelco IP cameras allow you to capture important video data with confidence.

Network environmental / vandal resistant dome cameras

Designed for performance, premium experience, and mission-critical applications, the Sarix™ Enhanced Range with SureVision™ 2.0 delivers industry leading image quality in the most difficult lighting conditions. Built to exacting standards and fully certified and rated for flawless outdoor performance, the Sarix® IME Series Environmental Domes with SureVision 2.0 cameras are intended for rain, snow, and the most grueling desert heat.

	Sarix IME Environmental Vandal Mini Domes with Surevision 2.0				
	SureVision™ 2.0 A Pelco™ by Schneider Electric™ technology	SureVision™ 2.0 A Pelco™ by Schneider Electric™ technology	SureVision™ 2.0 A Pelco™ by Schneider Electric™ technology	SureVision™ 2.0 A Pelco™ by Schneider Electric™ technology	SureVision™ 2.0 A Pelco™ by Schneider Electric™ technology
	IMES19-1x*	**IME119-1x***	**IME219-1x***	**IME319-1x*, IME319-B1x***	**IME3122-1x*, IME3122-B1x***
Max resolution	800x600	1280x1024	1920x1080	2048x1536	2048x1536
Image sensor	1/3-inch CMOS	1/3-inch CMOS	1/3-inch CMOS	1/3-inch CMOS	1/3-inch CMOS
Lens	3-9 mm, varifocal	3-9 mm, varifocal	3-9 mm, varifocal	3-9 mm, varifocal	9-22 mm, varifocal
Focus/zoom	Auto focus, remote zoom	Auto focus, remote zoom	Auto focus, remote zoom	Auto focus, remote zoom	Auto focus, remote zoom
Day/night	Yes	Yes	Yes	Yes	Yes
Wide dynamic range	100 dB	100 dB	100 dB	100 dB	100 dB
Illumination	0.0013 lux @ f/1.2	0.0013 lux @ f/1.2	0.0013 lux @ f/1.2	0.0013 lux @ f/1.2	0.002 lux @ f/1.6
Video compression	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
Max IPS at max resolution	30 ips	30 ips	30 ips	30 ips	30 ips
Video streams	2 configurable streams	2 configurable streams	2 configurable streams	2 configurable streams	2 configurable streams
Audio	Bidirectional	Bidirectional	Bidirectional	Bidirectional	Bidirectional
Alarm in/out	Yes, multiple alarms with ALM-1 accessory	Yes, multiple alarms with ALM-1 accessory	Yes, multiple alarms with ALM-1 accessory	Yes, multiple alarms with ALM-1 accessory	Yes, multiple alarms with ALM-1 accessory
Analytics	Adaptive motion/camera sabotage	Adaptive motion/camera sabotage	Adaptive motion/camera sabotage	Adaptive motion/camera sabotage	Adaptive motion/camera sabotage
Local storage	Up to 32 GB with microSDHC	Up to 32 GB with microSDHC	Up to 32 GB with microSDHC	Up to 32 GB with microSDHC	Up to 32 GB with microSDHC
Network protocols	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, IPv6, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, ARP, ICMP, and 802.1x (EAP)	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, IPv6, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, ARP, ICMP, and 802.1x (EAP)	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, IPv6, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, ARP, ICMP, and 802.1x (EAP)	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, IPv6, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, ARP, ICMP, and 802.1x (EAP)	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, IPv6, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, ARP, ICMP, and 802.1x (EAP)
Power input	PoE (IEEE 802.3af, Class 3)	PoE (IEEE 802.3af, Class 3)	PoE (IEEE 802.3af, Class 3)	PoE (IEEE 802.3af, Class 3)	PoE (IEEE 802.3af, Class 3)
Pelco system compatibility	Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800 Pelco Mobile Application	Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800 Pelco Mobile Application	Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800 Pelco Mobile Application	Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800 Pelco Mobile Application	Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800 Pelco Mobile Application
Open connectivity	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S

Network environmental / vandal resistant dome cameras

The Sarix Professional Range cameras are powerful and versatile to maximize options for customers in a variety of markets, and are ideal for those looking for reliable, cost effective solutions that meet the breadth of their mainstream video surveillance needs. Mix and match the performance options and form factor you need for almost any lighting condition, environment, and application.

	Sarix IMP Series environmental mini domes				
	IMPS110-1Ex*	IMP1110-1Ex*	IMP219-1Ex*	IMP319-1Ex*	IMP519-1Ex*
Max resolution	800x600	1280x720	1920x1080	2048x1536	2592x1944
Image sensor	1/4-inch CMOS	1/4-inch CMOS	1/3-inch CMOS	1/3-inch CMOS	1/3.2-inch CMOS
Lens	2.8-10 mm, varifocal	2.8-10 mm, varifocal	3-9 mm, varifocal	3-9 mm, varifocal	3-9 mm, varifocal
Focus/zoom	Auto Focus, Remote Zoom	Auto Focus, Remote Zoom	Auto Focus, Remote Zoom	Auto Focus, Remote Zoom	Auto Focus, Remote Zoom
Day/night	Yes	Yes	Yes	Yes	Yes
Dynamic range	65 dB	65 dB	65 dB	65 dB	65 dB
Illumination	0.03 lux @ f/1.4	0.03 lux @ f/1.4	0.03 lux @ f/1.2	0.03 lux @ f/1.2	0.03 lux @ f/1.2
Video compression	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
Max IPS at max resolution	30 ips	30 ips	30 ips	20 ips	12 ips
Video streams	2 configurable streams	2 configurable streams	2 configurable streams	2 configurable streams	2 configurable streams
Audio	Bidirectional	Bidirectional	Bidirectional	Bidirectional	Bidirectional
Alarm in/out	1, in/out	1, in/out	1, in/out	1, in/out	1, in/out
Analytics	Simple motion detection/ camera sabotage	Simple motion detection/ camera sabotage	Simple motion detection/ camera sabotage	Simple motion detection/ camera sabotage	Simple motion detection/ camera sabotage
Local storage	Up to 32 GB with microSDHC or SDXC, record video	Up to 32 GB with microSDHC or SDXC, record video	Up to 32 GB with microSDHC or SDXC, record video	Up to 32 GB with microSDHC or SDXC, record video	Up to 32 GB with microSDHC or SDXC, record video
Network protocols	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP
Power input	PoE (IEEE 802.3af, class 2), 24 Vac	PoE (IEEE 802.3af, class 3), 24 Vac	PoE (IEEE 802.3af, class 3), 24 Vac	PoE (IEEE 802.3af, class 3), 24 Vac	PoE (IEEE 802.3af, class 3), 24 Vac
Pelco system compatibility	Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco mobile application	Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco mobile application	Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco mobile application	Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco mobile application	Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco mobile application
Open connectivity	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S

* Add suffix to specify mount – I for in-ceiling mount, S for surface mount, P for pendant mount

	Sarix IMP Series environmental mini domes with IR				
	IMPS110-1ERx*	IMP1110-1ERx*	IMP219-1ERx*	IMP319-1ERx*	IMP519-1ERx*
Max resolution	800x600	1280x720	1920x1080	2048x1536	2592x1944
Image sensor	1/4-inch CMOS	1/4-inch CMOS	1/3-inch CMOS	1/3-inch CMOS	1/3.2-inch CMOS
Lens	2.8-10 mm, varifocal	2.8-10 mm, varifocal	3-9 mm, varifocal	3-9 mm, varifocal	3-9 mm, varifocal
Focus/zoom	Auto focus, remote zoom	Auto focus, remote zoom	Auto focus, remote zoom	Auto focus, remote zoom	Auto focus, remote zoom
Day/night	Yes	Yes	Yes	Yes	Yes
Dynamic range	65 dB	65 dB	65 dB	65 dB	65 dB
Illumination	0.03 lux @ f/1.4	0.03 lux @ f/1.4	0.03 lux @ f/1.2	0.03 lux @ f/1.2	0.03 lux @ f/1.2
Video compression	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
Max IPS at max resolution	30 ips	30 ips	30 ips	20 ips	12 ips
IR illumination	Yes, adaptive IR	Yes, adaptive IR	Yes, adaptive IR	Yes, adaptive IR	Yes, adaptive IR
Video streams	2 configurable streams	2 configurable streams	2 configurable streams	2 configurable streams	2 configurable streams
Audio	Bidirectional	Bidirectional	Bidirectional	Bidirectional	Bidirectional
Alarm in/out	1, in/out	1, in/out	1, in/out	1, in/out	1, in/out
Analytics	Simple motion detection/ camera sabotage	Simple motion detection/ camera sabotage	Simple motion detection/ camera sabotage	Simple motion detection/ camera sabotage	Simple motion detection/ camera sabotage
Local storage	Up to 32 GB with microSDHC or SDXC, record video	Up to 32 GB with microSDHC or SDXC, record video	Up to 32 GB with microSDHC or SDXC, record video	Up to 32 GB with microSDHC or SDXC, record video	Up to 32 GB with microSDHC or SDXC, record video
Network protocols	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP	TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP
Power input	PoE (IEEE 802.3af, class 3), 24 VAC	PoE (IEEE 802.3af, class 3), 24 VAC	PoE (IEEE 802.3af, class 3), 24 VAC	PoE (IEEE 802.3af, class 3), 24 VAC	PoE (IEEE 802.3af, class 3), 24 VAC
Pelco system compatibility	Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco mobile application	Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco mobile application	Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco mobile application	Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco mobile application	Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco mobile application
Open connectivity	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S

* Add suffix to specify mount – I for in-ceiling mount, S for surface mount, P for pendant mount

Network environmental / vandal resistant dome cameras

The vandal-resistant IM-E Series environmental fixed mini domes bring the power of Sarix to a compact, affordable dome that is tough enough to handle any weather condition. The Sarix IE Series outdoor network fixed dome camera is the industry's most innovative, easy-to-install, and high-performance all-weather IP-based imaging solution.

	Sarix IM-E Series		
	IMS0DN10-1E	**IM10DN10-1E**	**IM10LW10-1E**
Resolution	1280x960	800x600	1280x1024
Image sensor	1/3-inch CMOS	1/3-inch CMOS	1/3-inch CMOS
Lens	Integrated 2.8 - 10 mm	Integrated 2.8 - 10 mm	Integrated 2.8 - 10 mm
Focus	Auto focus	Auto focus	Auto focus
Day/night	Yes	Yes	Yes
Wide dynamic range	120 dB	120 dB	60 dB
Illumination	.0013 @ f1.2	.0013 @ f1.2	0.03 lux @ f1.2
Video compression	H.264, MJPEG	H.264, MJPEG, MPEG-4	H.264, MJPEG
Max IPS at max resolution	12.5 ips @ 720p, 30 ips @ 720p	25 ips, 30 ips	12.5 ips @ 720p, 30 ips @ 720p
Audio	Line-in/line-out	Line-in/line-out	Line-in/line-out
Alarm in/out	No; multiple alarms with ALM-1 accessory	No; multiple alarms with ALM-1 accessory	No; multiple alarms with ALM-1 accessory
Analytics	Adaptive motion/camera sabotage	Adaptive motion/camera sabotage	Adaptive motion/camera sabotage
Network protocols	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x (EAP)	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x (EAP)	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x (EAP)
AC power	No	No	No
PoE	Class 3	Class 3	Class 3
Video service jack	Yes	Yes	Yes
Outdoor rated	IP66, IK10++	IP66, IK10++	IP66, IK10++
Pelco system compatibility	Endura 2.0 (or later); Digital Sentry v7.3 (or later); DX4700/4800 family v1.0 (or later)	Endura v1.5 (or later); Digital Sentry v7.3 (or later); DX8100 v2.0 (or later); DX4700/4800 v1.0 (or later)	Endura 2.0 (or later); Digital Sentry v7.3 (or later); DX4700/4800 v1.0 (or later)
Open connectivity	Pelco API and ONVIF v1.02 for connecting to 3rd-party systems	Pelco API and ONVIF v1.02 for connecting to 3rd-party systems	Pelco API and ONVIF v1.02 for connecting to 3rd-party systems

	Sarix IE Series	
	IEE10DN8-1	**IEE20DN8-1**
Resolution	1280x1024	1920x1080
Image sensor	1/3-inch CMOS	1/3-inch CMOS
Lens	CS Mount 2.8-8 mm	CS Mount 2.8-8 mm
Focus	Auto back focus	Auto back focus
Day/night	Yes	Yes
Wide dynamic range	60 dB	60 dB
Illumination	0.03 lux @ f1.2	0.03 lux @ f1.2
Video compression	H.264, MJPEG	H.264, MJPEG
Max IPS at max resolution	30 ips @ 720P	30 ips
Audio	Line-in/line-out	Line-in/line-out
Alarm in/out	1 in/out, multiple alarms with ALM-1 accessory	1 in/out, multiple alarms with ALM-1 accessory
Analytics	Pelco & OV analytic suites	Pelco & OV analytic suites
Network protocols	TCP/IP, UDP/IP (unicast, multicast IGMP),UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3,QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x(EAP)	TCP/IP, UDP/IP (unicast, multicast IGMP),UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3,QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x(EAP)
AC power	24 Vac	24 Vac
PoE	Class 3	Class 3
Video service jack	Yes	Yes
Outdoor rated	IP66, IK10++ 70J	IP66, IK10++ 70J
Pelco system compatibility	Endura 2.0 (or later); Digital Sentry 4.3 (or later); DX4700/4800 v1.0 (or later)	Endura 2.0 (or later); Digital Sentry 4.3 (or later); DX4700/4800 v1.0 (or later)
Open connectivity	Pelco API and ONVIF v1.02 for connecting to 3rd-party systems	Pelco API and ONVIF v1.02 for connecting to 3rd-party systems

Network environmental / vandal resistant dome cameras

Vandals do not stand a chance against the Sarix IME Series Vandal Resistant Mini Domes featuring SureVision 2.0 technology. These rugged yet affordable fixed mini domes are ideal for corrections facilities, schools, apartment buildings, or any indoor location where video security equipment could be at risk.

	Sarix IME Series vandal mini domes with SureVision 2.0				
	IMES19-1Vx*	**IME119-1Vx***	**IME219-1Vx***	**IME319-1Vx*, IME319-B1Vx***	**IME3122-1Vx*, IME3122-B1Vx***
Max resolution	800x600	1280x1024	1920x1080	2048x1536	2048x1536
Image sensor	1/3-inch CMOS	1/3-inch CMOS	1/3-inch CMOS	1/3-inch CMOS	1/3-inch CMOS
Lens	3-9 mm, varifocal	3-9 mm, varifocal	3-9 mm, varifocal	3-9 mm, varifocal	9-22 mm, varifocal
Focus/zoom	Auto focus, remote zoom	Auto focus, remote zoom	Auto focus, remote zoom	Auto focus, remote zoom	Auto focus, remote zoom
Day/night	Yes	Yes	Yes	Yes	Yes
Wide dynamic range	100 dB	100 dB	100 dB	100 dB	100 dB
Illumination	0.0013 lux @ f/1.2	0.0013 lux @ f/1.2	0.0013 lux @ f/1.2	0.0013 lux @ f/1.2	0.002 lux @ f/1.6
Video compression	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
Max IPS at max resolution	30 ips	30 ips	30 ips	30 ips	30 ips
Video streams	2 configurable streams	2 configurable streams	2 configurable streams	2 configurable streams	2 configurable streams
Audio	Bidirectional, built-in mic	Bidirectional, built-in mic	Bidirectional, built-in mic	Bidirectional, built-in mic	Bidirectional, built-in mic
Alarm in/out	Yes, multiple alarms with ALM-1 accessory	Yes, multiple alarms with ALM-1 accessory	Yes, multiple alarms with ALM-1 accessory	Yes, multiple alarms with ALM-1 accessory	Yes, multiple alarms with ALM-1 accessory
Analytics	Adaptive motion/camera sabotage	Adaptive motion/camera sabotage	Adaptive motion/camera sabotage	Adaptive motion/camera sabotage	Adaptive motion/camera sabotage
Local storage	Up to 32 GB with microSDHC	Up to 32 GB with microSDHC	Up to 32 GB with microSDHC	Up to 32 GB with microSDHC	Up to 32 GB with microSDHC
Network protocols	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, IPv6, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, ARP, ICMP, and 802.1x (EAP)	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, IPv6, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, ARP, ICMP, and 802.1x (EAP)	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, IPv6, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, ARP, ICMP, and 802.1x (EAP)	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, IPv6, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, ARP, ICMP, and 802.1x (EAP)	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, IPv6, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, ARP, ICMP, and 802.1x (EAP)
Power input	PoE (IEEE 802.3af, class 3)	PoE (IEEE 802.3af, class 3)	PoE (IEEE 802.3af, class 3)	PoE (IEEE 802.3af, class 3)	PoE (IEEE 802.3af, class 3)
Pelco system compatibility	Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800, Pelco mobile application	Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800, Pelco mobile application	Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800, Pelco mobile application	Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800, Pelco mobile application	Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800, Pelco mobile application
Open connectivity	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S	Pelco API or ONVIF Profile S

* Add suffix to specify mount – I for in-ceiling mount, S for surface mount, P for pendant mount

	Sarix IM-V Series vandal resistant		
	IMS0DN10-1V	**IM10DN10-1V**	**IM10LW10-1V**
Resolution	800x600	1280x1024	1280x960
Image sensor	1/3-inch CMOS	1/3-inch CMOS	1/3-inch CMOS
Lens	Integrated 2.8-10 mm	Integrated 2.8-10 mm	Integrated 2.8-10 mm
Focus	Auto focus	Auto focus	Auto focus
Day/Night	Yes	Yes	Yes
Wide dynamic range	60 dB	60 dB	120 dB
Illumination	0.03 lux @ f1.2	0.03 lux @ f1.2	.0013 @ f1.2
Video compression	H.264, MJPEG, MPEG4	H.264, MJPEG	H.264, MJPEG
Max IPS at max resolution	25 ips, 30ips	12.5 ips @ 720p, 30 ips @ 720p	12.5 ips @ 720p, 30 ips @ 720p
Audio	Accessory AUD-1	Line-in/line-out, built-in mic	Line-in/line-out, built-in mic
Alarm in/out	No; multiple alarms with ALM-1 accessory	No; multiple alarms with ALM-1 accessory	No; multiple alarms with ALM-1 accessory
Analytics	Adaptive motion/camera sabotage	Adaptive motion/camera sabotage	Adaptive motion/camera sabotage
Network protocols	TCP/IP, UDP/IP (unicast, multicast IGMP),UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3,QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x(EAP)	TCP/IP, UDP/IP (unicast, multicast IGMP),UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3,QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x(EAP)	TCP/IP, UDP/IP (unicast, multicast IGMP),UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/v3,QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x(EAP)
AC power	No	No	No
PoE	Class 2	Class 2	Class 2
Video service jack	Yes	Yes	Yes
Vandal resistant	IK10++ 50J	IK10++ 50J	IK10++ 50J
Pelco system compatibility	Endura v1.5 (or later); Digital Sentry v4.2 (or later); DX8100 v2.0 (or later); DX4700/4800 v1.0 (or later)	Endura 2.0 (or later); Digital Sentry 4.3 (or later); DX4700/4800 v1.0 (or later)	Endura 2.0 (or later); Digital Sentry 4.3 (or later); DX4700/4800 v1.0 (or later)
Open connectivity	Pelco API and ONVIF v1.02 for connecting to 3rd-party systems	Pelco API and ONVIF v1.02 for connecting to 3rd-party systems	Pelco API and ONVIF v1.02 for connecting to 3rd-party systems

Capture video with confidence.

Spectra HD 1080

High-speed, network dome positioning system

Network PTZ cameras

With industry-defining features designed and engineered to secure what's most important, the Spectra™ family of high-speed, network-based dome positioning camera systems continues to set the benchmark for performance and reliability.

	Spectra Mini IP	Spectra IV SL	Spectra IV SE		
	SD4*	**SD423* 23X SL**	**SD429* 29X SE**	**SD429-H***	**SD429-PSG***
Imager/scanning	1/4-inch interline CCD/ 2:1 interlace	1/4-inch EXview HAD CCD/ 2:1 interlace	1/4-inch EXview HAD CCD/ progressive	1/4-inch EXview HAD CCD/ interlaced/progressive	1/4-inch EXview HAD CCD/ interlaced/progressive
Lens/zoom	f1.8, 4.2 mm - 42 mm/80X zoom (10X optical, 8X digital)	f1.6, 3.6-82.8 mm/276X zoom (23X optical, 12X digital)	f1.4, 3.4-98.1 mm/324X zoom (29X optical, 12X digital)	f1.4, 3.4-98.1 mm/324x zoom (29x optical, 12x digital)	f1.4, 3.4-98.1 mm/324x zoom (29X optical, 12x digital)
Field of view	5.0° to 46.4°	2.5° to 54°	2.3° to 55.8°	2.3° to 55.8°	2.3° to 55.8°
Day/night	No	Yes	Yes	Yes	Yes
Resolution	470 TVL	540 TVL	540 TVL	540 TVL	540 TVL
Digital slow shutter (DSS)	No	No	Yes	Yes	Yes
Sensitivity	3 lux	35 IRE: 0.65 lux at 1/60 sec (color), 0.15 lux at 1/60 sec (B-W)	35 IRE: 0.55 lux at 1/60 sec (color), 0.018 lux at 1/2 sec (color), 0.00018 lux at 1/2 sec (B-W)	35 IRE: 0.55 lux at 1/60 sec (color), 0.018 lux at 1/2 sec (color), 0.00018 lux at 1/2 sec (B-W)	35 IRE: 0.55 lux at 1/60 sec (color), 0.018 lux at 1/2 sec (color), 0.00018 lux at 1/2 sec (B-W)
Wide dynamic range	No	No	Yes	Yes	Yes
Pan/tilt features	360° continuous pan/92° tilt range / mechanical auto flip	360° continuous pan/92° tilt range/mechanical auto flip	360° continuous pan/92° tilt range/mechanical auto flip	360° continuous pan/92° tilt range/mechanical auto flip	360° continuous pan/92° tilt range/mechanical auto flip
Window blanking	1 window blank	Up to four, four-sided, user-defined shapes.	Up to eight, four-sided, user-defined shapes.	Up to eight, four-sided, user-defined shapes.	Up to eight, four-sided, user-defined shapes.
Auto-tracking	No	No	Yes	Yes	Yes
Motion detection	No	No	Yes	Yes	Yes
Image stabilization	No	No	No	Yes	Yes
Compression formats	MPEG-4, M-JPEG	H.264 baseline, MPEG-4, MJPEG	H.264 baseline, MPEG-4, MJPEG	H.264 baseline, MPEG-4, MJPEG	H.264 baseline, MPEG-4, MJPEG
Video resolutions/frame rate	4CIF, CIF/25 or 30 fps at 4CIF maximum, scalable	4CIF, CIF/25 or 30 fps at 4CIF maximum, scalable	4CIF, CIF/25 or 30 fps at 4CIF maximum, scalable	4CIF, CIF/25 or 30 fps at 4CIF maximum, scalable	4CIF, CIF/25 or 30 fps at 4CIF maximum, scalable
Analog data formats	None	Coaxitron, RS-422 (P & D)	Coaxitron, RS-422 (P & D)	Coaxitron, RS-422 (P & D)	Coaxitron, RS-422 (P & D)
Network protocols	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, NTP	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, NTP, IPv4, SNMP, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, mDNS (Bonjour), 802.1x (EAP)	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, NTP, IPv4, SNMP, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, mDNS (Bonjour), 802.1x (EAP)	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, NTP, IPv4, SNMP, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, mDNS (Bonjour), 802.1x (EAP)	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, NTP, IPv4, SNMP, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, mDNS (Bonjour), 802.1x (EAP)
PoE	IEEE 802.3af class 3	No	No	No	No
Power	18-30 Vac, 24 Vac nominal; 0.75 A, 50/60 Hz nominal	18-32 Vac (24 Vac); 22-27 Vdc (24 Vdc); 23 VA nominal	18-32 Vac (24 Vac); 22-27 Vdc (24 Vdc); 23 VA nominal	18-32 Vac (24 Vac); 22-27 Vdc (24 Vdc); 23 Va nominal	18-32 Vac (24 Vac); 22-27 Vdc (24 Vdc); 23 Va nominal
Certifications	FCC and CE-Class B; UL/cUL listed; C-Tick, CCC	FCC and CE-Class B; UL/cUL listed; C-Tick, CCC	FCC and CE-Class B; UL/cUL listed; C-Tick, CCC	FCC and CE-Class B; UL/cUL listed; C-Tick, CCC	FCC and CE-Class B; UL/cUL listed; C-Tick, CCC

* Visit B.O.S.S.™ 5.0 at pelco.com for complete part numbers. † IP66 rated ‡ vandal resistant

Network PTZ cameras

With industry-defining features designed and engineered to secure what's most important, the Spectra™ family of high-speed, network-based dome positioning camera systems continues to set the benchmark for performance and reliability.

	Spectra IV SE			
	SD436* 36X SE (Standard or environmental)	**SD436-H*** 36x SE heavy duty†‡	**SD436-PSG*** 36x SE stainless steel†	**SD4H36*** 36x SE horizon†
Imager/scanning	1/4-inch EXview HAD CCD/ interlaced/ progressive	1/4-inch EXview HAD CCD/interlaced/ progressive	1/4-inch EXview HAD CCD/interlaced/ progressive	1/4-inch EXview HAD CCD/interlaced/ progressive
Lens/zoom	f/1.4 (focal length, 3.3 ~ 119 mm) (36X optical, 12X digital)	f1.4, 3.4-119 mm/420X zoom (36X optical, 12X digital)	f1.4, 3.4-119 mm /420X zoom (36X optical, 12X digital)	f1.4, 3.4-119 mm/420X zoom (36X optical, 12X digital)
Field of view	1.7° to 55.8°	1.7° to 55.8°	1.7° to 55.8°	1.7° to 55.8°
Day/night	Yes	Yes	Yes	Yes
Resolution	540 TVL	540 TVL	540 TVL	540 TVL
Digital slow shutter (DSS)	Yes	Yes	Yes	Yes
Sensitivity	35 IRE: 0.55 lux at 1/60 sec (color), 0.018 lux at 1/2 sec (color), 0.00018 lux at 1/2 sec (B-W)	35 IRE: 0.55 lux at 1/60 sec (color), 0.018 lux at 1/2 sec (color), 0.00018 lux at 1/2 sec (B-W)	35 IRE: 0.55 lux at 1/60 sec (color), 0.018 lux at 1/2 sec (color), 0.00018 lux at 1/2 sec (B-W)	35 IRE: 0.55 lux at 1/60 sec (color), 0.018 lux at 1/2 sec (color), 0.00018 lux at 1/2 sec (B-W)
Wide dynamic range	Yes	Yes	Yes	Yes
Pan/tilt features	360° continuous pan/92° tilt range/ mechanical auto flip	360° continuous pan/92° tilt range/ mechanical auto flip	360° continuous pan/92° tilt range/ mechanical auto flip	360° continuous pan/110° tilt range/ mechanical auto flip
Window blanking	Up to eight, four-sided, user-defined shapes.	Up to eight, four-sided, user-defined shapes.	Up to eight, four-sided, user-defined shapes.	Up to eight, four-sided, user-defined shapes.
Auto-tracking	Yes	Yes	Yes	Yes
Motion detection	Yes	Yes	Yes	Yes
Image stabilization	Yes	Yes	Yes	Yes
Image enhancement	Yes	Yes	Yes	Yes
Compression formats	H.264 baseline, MPEG-4, MJPEG	H.264 baseline, MPEG-4, MJPEG	H.264 baseline, MPEG-4, MJPEG	H.264 baseline, MPEG-4, MJPEG
Video resolutions/frame rate	4CIF, CIF/25 or 30 fps at 4CIF maximum, scalable	4CIF, CIF/25 or 30 fps at 4CIF maximum, scalable	4CIF, CIF/25 or 30 fps at 4CIF maximum, scalable	4CIF, CIF/25 or 30 fps at 4CIF maximum, scalable
Network protocols	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, NTP, IPv4, SNMP, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, mDNS (Bonjour), 802.1x (EAP)	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, NTP, IPv4, SNMP, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, mDNS (Bonjour), 802.1x (EAP)	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, NTP, IPv4, SNMP, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, mDNS (Bonjour), 802.1x (EAP)	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, NTP, IPv4, SNMP, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, mDNS (Bonjour), 802.1x (EAP)
PoE	No	No	No	No
Power	8-32 Vac (24 Vac); 22-27 Vdc (24 Vdc); 23 Va nominal	18-32 Vac (24 Vac); 22-27 Vdc (24 Vdc); 23 Va nominal	18-32 Vac (24 Vac); 22-27 Vdc (24 Vdc); 23 Va nominal	18-32 Vac (24 Vac); 22-27 Vdc (24 Vdc); 23 Va nominal
Certifications	FCC and CE-class B; UL/cUL listed; C-Tick, CCC	FCC and CE-class B; UL/cUL listed; C-Tick, CCC	FCC and CE-class B; UL/cUL listed; C-Tick, CCC	FCC and CE-class B; UL/cUL listed; C-Tick, CCC

* Visit B.O.S.S. 5.0 at pelco.com for complete part numbers. † IP66 rated ‡ vandal resistant

Network HD PTZ cameras

The most popular positioning system the video security industry has ever known is taking performance to a new level with the introduction of Spectra HD 1080. Incorporating the award-winning Sarix technology platform, Spectra HD 1080 is an all-digital system that delivers 2.0 megapixel resolution (1920x1080 @ 30IPS), built-in analytics 20x or 30x optical zoom and 360° continuous pan rotation for the precision and control you demand.

	Spectra HD 720	Spectra HD 1080	
	S5118* 1.3MP HD (Standard or environmental)	**S5220* 2.0MP HD** (Standard or environmental)	**S5230* 2.0MP HD** (Standard or environmental)
Imager/scanning	1/3-inch CCD/progressive	1/2.8-inch type Exmor™ CMOS/progressive	1/2.8-inch type Exmor CMOS/progressive
Lens/zoom	f1.6, 4.7~84.6 mm/18X zoom (optical)	f/1.6 ~ f/3.5, 4.7 mm ~ 94.0 mm / 20X optical zoom; 12X digital zoom	f/1.6 ~ f/4.7, 4.3 mm ~ 129.0 mm / 30X optical zoom; 12X digital zoom
Field of view	3.2° to 55.2°	2.9° ~ 55.4°	2.1° ~ 59.5°
Day/night	Yes	Yes	Yes
Resolution	1280x960	1920x1080	1920x1080
Digital slow shutter (DSS)	Yes	Yes	Yes
Sensitivity	f/1.6, 2850K, SNR>24 dB; color (33 msec) = 1.0 lux; color (250 msec) = 0.125 lux; mono (33 msec) = 0.5 lux; mono (250 msec) = 0.125 lux	Sensitivity in lux for 90% reflectance, f/1.6 (wide-angle), 28 dB gain at 30 IRE (30% of signal level) with sensitivity boost off; 4X improvement to sensitivity with sensitivity boost on.	Sensitivity in lux for 90% reflectance, f/1.6 (wide-angle), 28 dB gain at 30 IRE (30% of signal level) with sensitivity boost off; 4X improvement to sensitivity with sensitivity boost on
Wide dynamic range	Yes, >50 dB with WDR Off, >75 dB with WDR on	80 dB	80 dB
Pan/tilt features	360° continuous pan/92° tilt range/mechanical auto flip	Proportional pan/tilt continually decreases pan/tilt speeds in proportion to depth of zoom	Proportional pan/tilt continually decreases pan/tilt speeds in proportion to depth of zoom
Window blanking	Up to eight, four-sided, user-defined shapes.	Up to 32, four-sided, user-defined shapes.	Up to thirty two, four-sided, user-defined shapes.
Auto-tracking	Yes	Yes	Yes
Motion detection	Yes	Yes	Yes
Image stabilization	No	No	No
Compression formats	H.264 high profile, MJPEG	H.264 high, main, or base profiles and MJPEG	H.264 high, main, or base profiles and MJPEG
Video resolutions/frame rate	CIF, VGA, SVGA, 1280x720, 1280x960, 640x512, 640x352, 480x368, 480x272, 320x256,320x176/ 25 or 30 fps @ 720p, 20 fps @ 960p	CIF, VGA, SVGA, 1920x1080, 1280x720, 800x448, 640x352, 480x272, 320x176/25 or 30 fps @ 1080p	1920x1080, 1280x720, 800x448, 640x352, 480x272, 320x176/25 or 30 fps @ 1080p
Audio	Yes, AUD-1	Yes, AUD-1	Yes, AUD-1
Network protocols	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, NTP, IPv4, SNMP, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, mDNS (Bonjour), 802.1x (EAP)	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/ v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x (EAP)	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, SNMP v2c/ v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, and 802.1x (EAP)
PoE	IEEE 802.3af class 3 (standard models)	IEEE 802.3af class 3 (standard models)	IEEE802.3af
Power	18-32 Vac (24 Vac); 22-27 Vdc (24 Vdc); 23 Va nominal	18 to 32 Vac; 24 Vac nominal 22 to 27 Vdc; 24 Vdc nominal	18 to 32 Vac; 24 Vac nominal 22 to 27 Vdc; 24 Vdc nominal
Certifications	FCC and CE-class B; UL/cUL listed; C-Tick, CCC	CE, class A; FCC, class A; UL/cUL listed; C-Tick; ONVIF v1.02	CE, class A; FCC, class A; UL/cUL listed; C-Tick; ONVIF Profile S

* Visit B.O.S.S. 5.0 at pelco.com for complete part numbers. † IP66 rated ‡ vandal resistant

Network specialty cameras

The Esprit™ SE IP positioning system brings together the very best in enclosure design, pan-and-tilt mechanics, and receiver technologies. This completely integrated package offers responsive, high-speed positioning capabilities and outstanding weather protection that remains unmatched in the industry. The ideal choice for hazardous location installations, ExSite™ explosion-proof camera systems deliver the high-quality video demanded in the harshest conditions imaginable.

	Esprit SE IP
	36x Esprit SE IP (Standard & pressurized)
Imager	1/4-inch EXview HAD CCD
Processors	1
Scanning	Interlaced/progressive
Lens/zoom	f/1.4, 3.3 ~ 119 mm / 36X optical; 12X digital
Field Of View	1.7° to 57.2°
Day/night	Yes
Resolution	540 TVL
Digital slow shutter (DSS)	Yes
Sensitivity	35 IRE: 0.55 lux at 1/60 sec (color), 0.018 lux at 1/2 sec (color), 0.00018 lux at 1/2 sec (B-W)
Wide dynamic range	Yes
Proportional pan/tilt	Yes
Pan/tilt features	360° continuous/unobstructed +36° to -85°
Presets/preset speed/ patterns	256/100°/sec/8
Motion detection	Yes
Window blanking	8, programmable
Image stabilization	Yes
Image enhancement	Yes
“Sure Focus” menu selection	Yes
Low lux noise reduction	Yes
Programmable zoom speeds	Yes
Low light focus/limit selection	Yes
Power up actions	Yes
Relay outputs	1
Alarm inputs	0
Operating temperature range	-45 to 50 °C (-50 to 122 °F)
Environmental ratings	IP66
Power	24, 120 or 230 Vac, 50/60 Hz; switch selectable for 120/230 Vac inputs
Certifications	CE, class A; FCC, class A; UL/cUL listed; C-Tick; meets NEMA Type 4X
Warranty	3 years
Open connectivity	Pelco API or ONVIF v1.02

Visit B.O.S.S. 5.1 at www.pelco.com for complete part numbers.

	ExSite IP	
	36x ExSite IP Explosion-proof fixed	**36x ExSite IP** Explosion-proof pan/tilt
Imager	1/4-inch EXview HAD CCD	1/4-inch EXview HAD CCD
Processors	1	1
Scanning	Interlaced/progressive	Interlaced/progressive
Lens/zoom	f/1.4, 3.3 ~ 119 mm / 432X (36X optical, 12X digital)	f/1.4, 3.3 ~ 119 mm / 432X (36X optical, 12X digital)
Field of view	2.5° to 57.2°	2.5° to 57.2°
Day/night	Yes	Yes
Resolution	540 TVL	540 TVL
Digital slow shutter (DSS)	Yes	Yes
Sensitivity	35 IRE: 0.018 lux at 1/2 sec shutter (color); 0.55 lux at 1/60 sec shutter (B-W); 0.00018 lux at 1/2 sec shutter (B-W)	35 IRE: 0.018 lux at 1/2 sec shutter (color); 0.55 lux at 1/60 sec shutter (B-W); 0.00018 lux at 1/2 sec shutter (B-W)
Wide dynamic range	Yes	Yes
Proportional pan/tilt	Yes	Yes
Pan/tilt features	200° Pan (manual)/180° tilt	360° continuous/ unobstructed +90° to -90°
Presets/preset speed/ patterns	80/40°/sec/4	80/40°/sec/4
Motion detection	Yes	Yes
Window blanking		
Image stabilization	Yes	Yes
Image enhancement	Yes	Yes
“Sure Focus” menu selection	Yes	Yes
Low lux noise reduction	Yes	Yes
Programmable zoom speeds	Yes	Yes
Low light focus/limit selection	Yes	Yes
Power up actions	Yes	Yes
Relay outputs	3	3
Alarm inputs	7	7
Operating temperature range	-76 to 140 °F (-60 to 60 °C)	-76 to 140 °F (-60 to 60 °C)
Environmental ratings	IP66	IP66
Power	24 Vac or 100 to 240 Vac, 50/60 Hz	24 Vac or 100 to 240 Vac, 50/60 Hz
Certifications	DEMKO 04 ATEX 0413858X 0539 II 2 G Ex d IIC, T5 II 2 D Ex tD A21 IP66 T105 °C”	DEMKO 04 ATEX 0413858X 0539 II 2 G Ex d IIC, T5 II 2 D Ex tD A21 IP66 T105 °C
Warranty	3 years	2 years

Visit B.O.S.S. 5.1 at www.pelco.com for complete part numbers.

Network thermal imaging cameras

The all-digital Sarix TI thermal imaging camera system represents the evolution of thermal imaging by delivering industry-leading image quality and the performance, features, and ease of integration that security professionals demand. Visit www.pelco.com/sarixti to learn more.

	Sarix TI Series thermal IP fixed cameras									
	TI206 240x184 resolution	**TI3 Series** 384x288 resolution				**TI6 Series** 640x480 resolution				
Sensor	Sun-safe amorphous silicon long wave infrared (LWIR) microbolometer	Sun-safe amorphous silicon long wave infrared (LWIR) microbolometer				Sun-safe amorphous silicon long wave infrared (LWIR) microbolometer				
Pixel size	25 micron	25 micron				17 micron				
Sensitivity (NETD)	<50 mK at f/1.0	<50 mK at f/1.0				<50 mK at f/1.0				
Processors/scanning	3/progressive	3/Progressive				3/Progressive				
Lens options	6.3 mm	14.25 mm	35 mm	50 mm	100 mm	14.25 mm	35 mm	50 mm	100 mm	
Field of view (H/V/D)	55°/41°/68°	39°/29°/48°	16°/12°/19°	11°/8°/14°	6°/4°/7°	44°/33°/54°	18°/13°/22°	12°/9°/15°	6°/5°/8°	
Array format/efective resolution	240x184/44,160	384x288/110,592				640x480/307,200				
Spectral response	7.5 to 13.5 µm (LWIR)	7.5 to 13.5 µm (LWIR)				7.5 to 13.5 µm (LWIR)				
Normalization source	Internal shutter (offset only), 0.3 second video freeze during shutter	Internal shutter (offset only), 0.3 second video freeze during shutter				Internal shutter (offset only), 0.3 second video freeze during shutter				
Display formats	White hot, black hot, and rainbow	White hot, black hot, and rainbow				White hot, black hot, and rainbow				
Built in analytics	Adaptive motion, camera sabotage, loitering detection, object counting, stopped vehicle	Adaptive motion, camera sabotage, loitering detection, object counting, stopped vehicle				Adaptive motion, camera sabotage, loitering detection, object counting, stopped vehicle				
Alarm inputs/relay outputs	1/1	1/1				1/1				
Compression formats	H.264 high, main or base profile, MJPEG	H.264 high, main or base profile, MJPEG				H.264 high, main or base profile, MJPEG				
Video streams	Up to 2 simultaneous streams	Up to 2 simultaneous streams				Up to 2 simultaneous streams				
Video resolutions/frame rate	240x184 or 160x120/8.3, 25, or 30 ips	384x288, 320x240, or 320x176 (16:9)/8.3, 25, or 30 ips				640x480 or 320x240/8.3, 25, or 30 ips				
Network protocols	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, NTP, IPv4, SNMP, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, mDNS (Bonjour), 802.1x (EAP)	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, NTP, IPv4, SNMP, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, mDNS (Bonjour), 802.1x (EAP)				TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, NTP, IPv4, SNMP, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, mDNS (Bonjour), 802.1x (EAP)				
Local storage	Micro SD	Micro SD				Micro SD				
Audio	Bidirectional, half duplex; line level/external microphone input; 600 Ohm differential; 1 Vp-p maximum signal level	Bidirectional, half duplex; line level/external microphone input; 600 Ohm differential; 1 Vp-p maximum signal level				Bidirectional, half duplex; line level/external microphone input; 600 Ohm differential; 1 Vp-p maximum signal level				
Audio compression	G.711 PCM 64 kbps	G.711 PCM 64 kbps				G.711 PCM 64 kbps				
USB expansion ports	No	No				No				
Users	Unicast – up to 20 simultaneous users depending on resolution settings (2 guaranteed streams); multicast – Unlimited users H.264	Unicast – Up to 20 simultaneous users depending on resolution settings (2 guaranteed streams); Multicast – unlimited users H.264				Unicast – Up to 20 simultaneous users depending on resolution settings (2 guaranteed streams); Multicast – Unlimited users H.264				
PoE	No	No				No				
Analog output	Yes, BNC, 75 ohms, unbalanced, NTSC or PAL 1Vp-p	Yes, BNC, 75 ohms, unbalanced, NTSC or PAL 1Vp-p				Yes, BNC, 75 ohms, unbalanced, NTSC or PAL 1Vp-p				
Power	24 Vac / 24 Vdc	24 Vac/24 Vdc				24 Vac/24 Vdc				
Certifications	FCC and CE-class A; UL listed; C-Tick; NEMA 4/IP66; shock and vibration, meets NEMA TS 2; IEC613736-8, -9, -10	FCC and CE-class A; UL listed; C-Tick; NEMA 4/IP66; shock and vibration, meets NEMA TS 2; IEC613736-8, -9, -10				FCC and CE-class A; UL listed; C-Tick; NEMA 4/IP66; shock and vibration, meets NEMA TS 2; IEC613736-8, -9, -10				

* Visit B.O.S.S. 5.0 at pelco.com for complete part numbers.

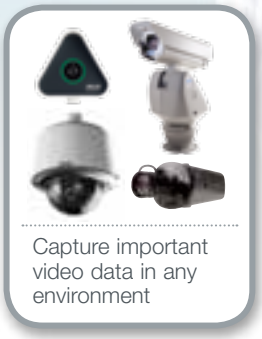
Network thermal imaging cameras

The all-digital Sarix™ TI thermal imaging camera system represents the evolution of thermal imaging by delivering industry-leading image quality and the performance, features, and ease of integration that security professionals demand. Visit www.pelco.com/sarixti to learn more.

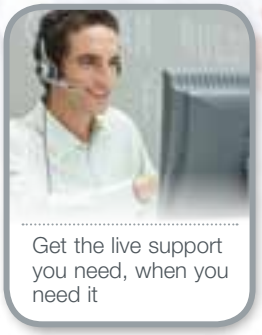
	Sarix TI Series Thermal IP pan/tilt cameras						
	ESTI3* Series 384x288 resolution				**ESTI6* Series** 640x480 resolution		
Sensor	Sun-safe amorphous silicon long wave infrared (LWIR) microbolometer				Sun-safe amorphous silicon long wave infrared (LWIR) microbolometer		
Pixel size	25 micron				17 micron		
Sensitivity (NETD)	<50 mK at f/1.0				<50 mK at f/1.0		
Processors/scanning	3/progressive				3/Progressive		
Lens options	14.25 mm	35 mm	50 mm	100 mm	35 mm	50 mm	100 mm
Field of view	39°/29°/48°	16°/12°/19°	11°/8°/14°	6°/4°/7°	18°/13°/22°	12°/9°/15°	6°/5°/8°
Resolution	384x288/110,592				640x480/307,200		
Spectral response	7.5 to 13.5 µm (LWIR)				7.5 to 13.5 µm (LWIR)		
Normalization source	Internal shutter (offset only), 0.3 second video freeze during shutter				Internal shutter (offset only), 0.3 second video freeze during shutter		
Display formats	White hot, black hot, and rainbow				White hot, black hot, and rainbow		
Built in analytics	Adaptive motion, camera sabotage, loitering detection, object counting, stopped vehicle				Adaptive motion, camera sabotage, loitering detection, object counting, stopped vehicle		
Alarm inputs/relay outputs	1/1				1/1		
Compression formats	H.264 high, main or base profile, MJPEG				H.264 high, main or base profile, MJPEG		
Video streams	Up to 2 simultaneous streams				Up to 2 simultaneous streams		
Video resolutions/frame rate	384x288, 320x240 or 320x176 (16:9)/8.3, 25, or 30 ips				640x480 or 320x240/8.3, 25, or 30 ips		
Network protocols	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, NTP, IPv4, SNMP, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, mDNS (Bonjour), 802.1x (EAP)				TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, NTP, IPv4, SNMP, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, mDNS (Bonjour), 802.1x (EAP)		
Local storage	Micro SD				Micro SD		
Audio	UTP 600 ohm mono, 12 Vdc power source, line level/external microphone input, 1 Vp-p maximum signal level				UTP 600 ohm mono, 12 Vdc power source, line level/external microphone input, 1 Vp-p maximum signal level		
Compression	G.711 PCM 64 kbps				G.711 PCM 64 kbps		
USB expansion ports	No				No		
Users	Unicast – Up to 20 simultaneous users depending on resolution settings (2 guaranteed streams); multicast – Unlimited users H.264				Unicast – Up to 20 simultaneous users depending on resolution settings (2 guaranteed streams); multicast – Unlimited users H.264		
PoE	No				No		
Analog output	Yes, BNC, 75 ohms, unbalanced, NTSC or PAL 1Vp-p				Yes, BNC, 75 ohms, unbalanced, NTSC or PAL 1Vp-p		
Pan/tilt features	360° continuous pan/+33° to -83° tilt from horizontal				360° continuous pan/+33° to -83° tilt from horizontal		
Analog data formats	Coaxitron, RS-422 (P or D)				Coaxitron, RS-422 (P or D)		
Presets/preset speed/preset tours	255/100° per sec / yes				255/100° per sec/yes		
Power	24 Vac/115 Vac/230 Vac				24 Vac/115 Vac/230 Vac		
Certifications	FCC and CE-Class A; UL listed; C-Tick; NEMA 4/IP66; shock and vibration, meets NEMA TS 2; IEC613736-8, -9, -10				FCC and CE-class A; UL listed; C-Tick; NEMA 4/IP66; shock and vibration, meets NEMA TS 2; IEC613736-8, -9, -10		

* Visit B.O.S.S. 5.0 at pelco.com for complete part numbers.

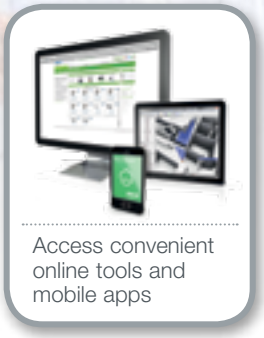
How can our commitment to IP products and services benefit you?



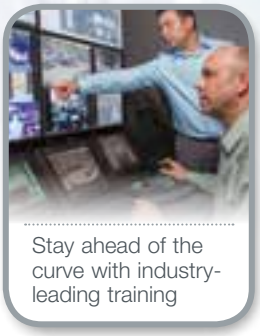
Capture important video data in any environment



Get the live support you need, when you need it



Access convenient online tools and mobile apps



Stay ahead of the curve with industry-leading training

Rely on Pelco IP VMS options for any application

By choosing Pelco by Schneider Electric, you'll have access to an array of services, tools, and programmes designed to ensure your success and the confidence that comes from having a broad range of high-quality IP video surveillance products and systems

For more than 20 years, Pelco™ by Schneider Electric™ has been respected as a leading provider of video surveillance products and has now emerged as a leader in the IP market. This evolution has given us the in-depth knowledge to understand what our network-based surveillance end users and resellers require in their products and the important role that service and support systems play in helping them succeed. From guaranteed ship dates and satisfaction assurance to around-the-clock support and flexible service plans, we are committed to adding value to your video surveillance investment.

Powerful solutions for the capture, management, and display of video data:

- **Actionable, clear evidence:** You can rely on our broad range of IP cameras for mainstream applications to extreme environments.
- **Easy expansion and installation:** With three flexible platforms to choose from, Pelco video management systems (VMS) are right for any application.
- **Freedom to choose:** Pelco products are open and built on industry standards that allow them to integrate with other key system components.
- **Customizable solutions:** As a manufacturer, we can adapt our products to fit your unique applications and special installation needs.

PELCO™

by Schneider Electric

Choose with confidence.

Digital video recorders

DX Series DVRs are the ideal choice for an affordable, efficient entry into full-featured video storage management. With support for four to 16 analog cameras, 120 to 480 ips, and storage from 250 GB to 8 TB, these systems are designed for easy use out of the box. Customers can connect Pelco DVRs and HVRs by using DS Control Point or the new DX Series Client.

	DX4100	DX4700	DX4800
GENERAL			
Analog camera inputs	4	8, 16	8, 16
Looping	Yes	Yes	Yes
IP camera inputs	None	2 Megapixel (Mpx)	2 Megapixel (Mpx)
Maximum record rate D1/4CIF	30 ips NTSC, 25 ips PAL (4CIF)	120 ips NTSC, 96 ips PAL (4CIF)	480 ips NTSC, 400 ips PAL (4CIF)
Compression technology	H.264	H.264	H.264
Hard drive options, internal	250 GB – 2 TB, 1 TB with ODD	250 GB – 8 TB	250 GB – 8 TB
Optical disk drive	None	DVD-RW	DVD-RW
Alarm inputs/relay outputs	4/1	8 or 16/4	8 or 16/4
Audio inputs/outputs	4/1	2 or 4/2	4/2
PTZ control	RS-422	Coaxitron, RS-422	Coaxitron, RS-422
Front panel controls	Yes	Yes	Yes
IR remote control	Yes	Yes	Yes
Multilingual support	Yes	Yes	Yes
System compatibility	DX Series client, DS ControlPoint	DX Series client, DS ControlPoint, DX mobile app	DX Series client, DS ControlPoint, DX mobile app
DISPLAY OPTIONS			
Monitor outputs	1 main - VGA or BNC swtich-selectable; 1 spot BNC, single channel view	1 main - VGA or BNC; composite	1 main - VGA or BNC; composite
Camera display	Main - 1, 4	1, 4, 6, 8, 9,16	1, 4, 6, 8, 9,16
Digital zoom live/playback	No / No	No	No
FUNCTION			
Alarm, motion, continuous, scheduled recording modes	Yes	Yes, including ATM/POS	Yes, including ATM/POS
Increased record rate on alarm/motion (“bump on alarm”)	Yes	Yes	Yes
Pre-alarm/post-alarm	Off, 5, 10, 20, 30, 40, 50, 60 sec/10, 20, 30, 40, 50 sec, 1, 2, 3, 5, 10 min	1 minute / 10 minutes	1 minute / 10 minutes
Video analytics	No	No	No
REMOTE CLIENT			
DX mobile app (iPhone, iPad, Android)	No	Yes	Yes
PC remote client	Yes	Yes	Yes
View live	Yes	Yes	Yes
Playback	Yes	Yes	Yes
PTZ control	Yes	Yes	Yes
Web browser	Live view	Live view	Live view
Windows support	Windows® 7, Vista®, XP Pro® (with ControlPoint or DX Series client)	Windows® 7, Vista®, XP Pro® (with ControlPoint or DX Series client)	Windows® 7, Vista®, XP Pro® (with ControlPoint or DX Series client)

Hybrid video recorders

DX hybrid video recorders meet the demands of customers migrating to IP video while leveraging their existing analog video surveillance infrastructure. With support for 8 to 32 analog cameras, plus 8 IP megapixel (Mpx) cameras (DX4700HD/DX4800HD), and storage from 250 GB to 8 TB, these easy-to-use systems are ready to record out of the box.

	DX4700HD	DX4800HD	DX8100
GENERAL			
Analog camera inputs	8, 16	8, 16	8, 16, 24, 32
Looping	Yes	Yes	Yes
IP camera inputs	Up to 8 mpx	Up to 8 mpx	Up to 24 or 32 mpx depending on system resources (IP Licenses included)
Maximum record rate D1/4CIF	120 ips NTSC, 96 IPS pal (D1)	480 ips NTSC, 400 ips PAL (D1)	120 ips NTSC, 100 ips PAL (4CIF)
Compression technology	H.264 main profile	H.264 main profile	Pelco
Hard drive options, internal	250 GB – 8 TB	250 GB – 8 TB	250 GB – 8 TB
Optical disk drive	DVD-RW	DVD-RW	DVD-RW
Alarm inputs/relay outputs	8 or 16/2	8 or 16/4	8, 16, 24, 32/8, 16, 24
Audio inputs/outputs	2/2	4/2	2 standard 8, 16, 24, 32 optional/1
PTZ control	Yes	Yes	Coaxitron, RS-422
Front panel controls	Yes	Yes	No
IR remote control	Yes	Yes	No
Multilingual support	Yes	Yes	Yes
System compatibility	DX Series client, DS ControlPoint, DX mobile App	DX Series client, DS ControlPoint, DX mobile app	DX Series client, DS ControlPoint
DISPLAY OPTIONS			
Monitor outputs	1 main - VGA or BNC; composite	1 main - VGA or BNC; composite	1 main - VGA; dual display - VGA or BNC; composite BNC - 1 with 8/16; 2 with 24/32
Camera display	1, 4, 6, 8, 9,16, 25	1, 4, 6, 8, 9,16, 25	1, 4, 9, 10, 16, 25, 36, 1+5, 2+8, 1+23
Digital zoom live/playback	No	No	Yes / Yes
FUNCTION			
Alarm, motion, continuous, scheduled recording modes	Yes, including ATM/POS	Yes, including ATM/POS	Yes, including ATM/POS
Increased record rate on alarm/motion (“bump on alarm”)	Yes	Yes	No
Pre-alarm/post-alarm	1 minute / 10 minutes	1 minute / 10 minutes	1 minute standard; 15 minutes with memory upgrade/1 minute standard; 15 minutes with Memory Upgrade
REMOTE CLIENT			
DX mobile app (iPhone, iPad, Android)	Yes	Yes	No
PC remote client	Yes	Yes	Yes
View live	Yes	Yes	Yes
Playback	Yes	Yes	Yes
PTZ control	Yes	Yes	Yes
Web browser	Live view, PTZ	Live view, PTZ	Live view, PTZ
Windows support	Microsoft Windows 2000, Windows XP (SP3), Windows Vista , or Windows 7, and DirectX 9.1 (or later)	Microsoft Windows 2000, Windows XP (SP3), Windows Vista, or Windows 7, and DirectX 9.1 (or later)	Windows 7, Vista, XP Pro (with ControlPoint or DX Series client)

IP video management solutions

With full-featured DSNVs video management software, a robust DSSRV network video recorder (NVR), analog camera support via optional direct-attached or network video encoders, multisite monitoring, and support for third-party IP cameras, Digital Sentry is a flexible VMS for mainstream security applications.

	DSSRV
GENERAL	
Analog camera inputs	16, 32, 48, or 64 via ENC5416
IP video inputs	Up to 128*
Number of included IP licenses	8 included; additional license fee may apply
Megapixel support	Up to 10 Mpx
Compression technology	H.264, MJPEG and MPEG-4, depending on IP camera
Operating system	Windows 7 Ultimate
Hard drive options, internal	500 GB, 3, 6, 9 12, 15, 18 TB (to 12 TB with ODD)
Hard drive options, external	SCSI, USB, or NAS
Optical Disk drive	DVD+/-RW with DSSRV-DVD models
RAID storage	Optional with RAID5 controller add-on or RAID5 model
Alarm inputs/relay outputs	See ENC5416 for analog alarms in/relays out
Audio inputs/outputs	Supports Sarix IP audio; See ENC5416 for analog audio recording
PTZ control	IP and analog supported
Multilingual support	Yes
System compatibility	DS ControlPoint to DS and DX systems
DISPLAY OPTIONS	
Monitor outputs	Based on configuration of client PC; up to 6 monitors with appropriate graphics card
Camera views	22 layouts, from 1 to 36 cameras
FUNCTION	
Alarm, Motion, Continuous, Scheduled Recording Modes	Yes
REMOTE CLIENT	
PC remote client	Yes
View live	Yes
Playback	Yes
Email on alarm	Yes
PTZ control	Yes
Remote administration	Yes
Mobile client	Yes
Windows support	Windows 7, Windows Vista, Windows Server® 2003/2008

* The database limitation for DSNVs is 128 cameras. The actual number of cameras supported depends on recording settings, client connections, and bandwidth capacity.

	DSSRV options
	ENC5416 analog encoder
GENERAL	
Video resolutions	D1, 2CIF, CIF, QCIF
Frame rate	D1 480 NTSC/400 PAL, independently configurable
Alarm inputs	16 per ENC5416, 64 maximum per DSSRV
Relay outputs	4 per ENC5416, 16 maximum per DSSRV
Audio inputs	16 per ENC5416, 64 maximum per DSSRV
Compression format	H.264 main profile
Analog output	4 BNC connectors for spot monitor
PTZ control interface	2 RS-422, RS-485
PTZ/Protocols	Pelco D and 3rd-party
Rack mount	2 mounting brackets included, connection interface to NVR: direct attached via HDMI cable

Software-only VMS solution

This software-only solution is ideal when the preference is for COTS hardware, maximizing existing purchase and support agreements with server and PC suppliers. Windows-compatible, built-in support for ONVIF and a wide range of third-party IP cameras and encoders makes Digital Sentry a flexible VMS solution for mainstream security applications.

	DSNVs
Maximum IP video inputs	Up to 128*
Third-party camera supported	IP Drivers and ONVIF**
Camera license fees apply	4 free; additional connection license fee applies
Megapixel support	Up to 10 Mpx
Maximum # of clients	Dependent on system resources and bandwidth availability
Quick setup	✔
Export formats	H.264, MPEG-4, MPEG, JPEG, AVI, native DB
Alarm pop-up notifications	✔
Search tools	Date/time/events/motion/scrub bar/Pelco analytic alarms, thumbnail
Archive video recording	Via archive utility
3rd-party integrations	Via Pelco API
Compatibility via ControlPoint	DS systems including legacy DVX Master Control Series, Pelco DX4100, 4500/4600, 4700/4800, 4700HD/4800HD, 8000/8100
Operating systems	Windows 7, Windows Vista, Windows XP, Server 2003, 2008
Mobile app	Yes

* 128 is the database limitation. Actual number is dependent on hardware specifications and camera settings.

** See Document C1024RN-x "DS Compatibility Release Notes" on www.pelco.com.

IP video management solutions

The Endura™ IP VMS offers the scalability, performance, and reliability required for mission-critical surveillance applications. Scalable to thousands of cameras, Endura is designed to fit a wide range of customer applications — including airports, casinos, and city surveillance applications — where unmatched fault tolerance and system integrity are mandatory.

	Endura
GENERAL	
Analog camera inputs	Yes, for supported cameras and encoders *
Compression technology	MPEG4 & H.264 (base, main, and high profile)
Storage optimization	Yes, Pelco EnduraStor
3rd-party storage	Optional fibre channel support
RAID 6 support	Yes
Alarm inputs/relay outputs	Yes, see Pelco.com for supported cameras & encoders
Audio support	Yes, see Pelco.com for supported cameras & encoders
PTZ control	Yes, see Pelco.com for supported cameras & encoders
Pelco matrix support	Yes
Multilingual Support	Yes
3rd-party system integration	Yes
Pelco aggregation support	Yes
DISPLAY OPTIONS	
Monitor output support	Hundreds of digital displays via DVI connections from WS5070, VCD5202, NET5402R-HD with built-in monitor wall control (1x1, 2x2, 3x3, 4x4, 1+5, 2+8, 1+12, 3x2, 4x3)
Digital zoom live/playback	Yes
FUNCTION	
Alarm, motion, continuous, scheduled recording modes	Yes
Failover and redunancy	Yes
Pre-alarm/post-alarm	1 minute–999 minute / 1 minute–999 minute
Video analytics	Yes
REMOTE CLIENT	
E-mail on alarm, SNMP support	Yes
Remote administration	Yes
Web and mobile support	Yes

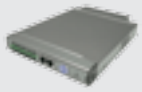
* Please visit www.pelco.com for updated list of supported devices.

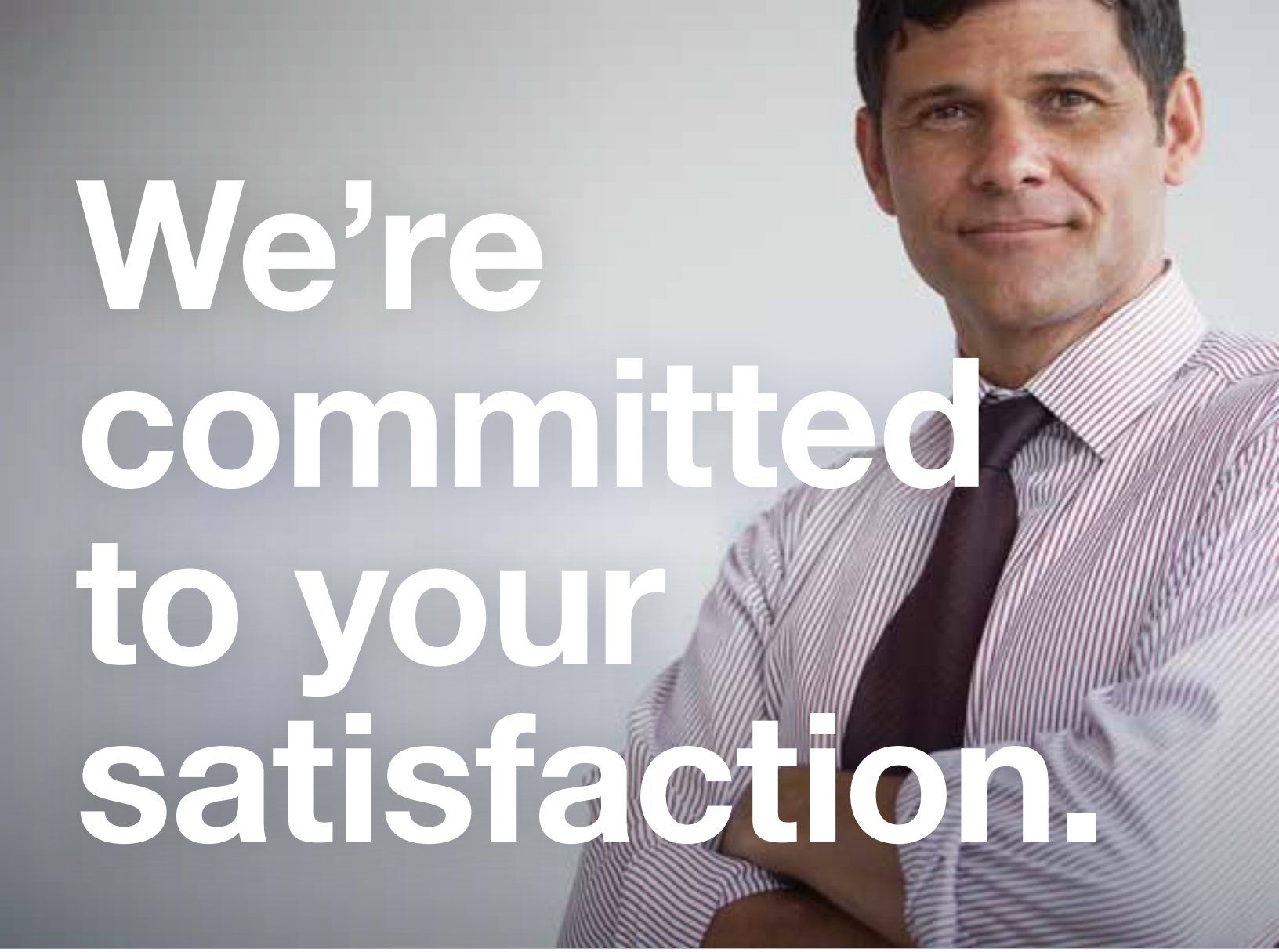
Pelco aggregation software

Pelco aggregation software allows Endura customers to monitor multiple Endura installation sites via a common user interface. Leveraging industry-standard virtual machine implementation, Pelco aggregation creates a layer that spans multiple Endura systems, while allowing sites to be operated and managed locally. Featuring easy access to live and recorded video, PTZ support, and a web-accessible platform, Pelco aggregation makes it possible to access any system from any location on any device, providing increased access to relevant video data to enable more informed decision making across organizations.

Network video encoders

This family of H.264 network video encoders provides high-performance, single- to multi-channel video encoding, integrating analog cameras and positioning systems into an IP video surveillance system.

	NET5400 Encoder
	 **NET5401, NET5402, NET5404**
Video resolutions	4CIF, 2CIF, CIF, QCIF
Frame rate	25/30 fps at 4CIF maximum, scalable
Motion detection	Yes
Video analytics	Yes
Alarm inputs	3
Relay outputs	1
Onboard memory	User-supplied Micro SD
Operating temperature range	Minimum of 32 °F (0 °C), maximum 122 °F (50 °C)
Compression formats	MJPEG, H.264 (base, main, and high profile)
Data rate	20 kbit/s – 6 Mbit/s (2 Mbit/s per stream 16x 3x)
Video streams	3
Audio	2-way, full-or half-duplex
Analog data formats	No
Analog output	Looping on single and dual channel
Network protocols	TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, NTP
Video signing at source	Yes
Web browser access	Yes
Open architecture	Yes, compatible with Pelco API
Pelco system compatibility	Endura, DS



We're committed to your satisfaction.

Understanding the challenges today's security professionals face, Pelco™ by Schneider Electric™ guarantees 24-hour out-the-door shipping and 90-day no-questions-asked returns. That means the products you want, when you want them, and the ability to return them no questions asked. There is nothing more important than being able to accurately plan and manage your business while having the confidence to provide ironclad commitments to your customers. With our 24/90 guarantees, Pelco helps you do just that.

Choose with confidence.

24 Hour Out-the-door guarantee

90 Day No questions asked returns

Terms and conditions apply. Visit www.pelco.com/logistics or call your local representative today for complete details about 24-hour shipping and 90-day returns, only from Pelco.

Monitors

With a unique industry understanding, Pelco by Schneider Electric specifically designs monitors to meet the demands of video security professionals. This includes maximum reliability and power efficiency for around-the-clock usage, and the high-quality highly detailed images necessary for making security decisions.

	300 Series desktop	400 Series desktop
	PMCL317B and PMCL319BL	**PMCL417HB and PMCL419HB**
GENERAL		
Native resolution	1280x1024	1280x1024
Brightness	250 nit	350 nit
Contrast ratio	1000:1	1000:4
Response time	5 ms	5 ms
Panel life	50K hours	50K hours
Viewing angle	160/160	160/160
Aspect ratio	5:4	5:4
ELECTRICAL		
Power consumption	<50 W	<50 W
Input voltage	100 to 240 Vac, 50/60 Hz	100 to 240 Vac, 50/60 Hz
Video input	1 BNC, looping: 1 S-video, looping: 1 RGB: 1 DVI	2 BNC, looping: 1 S-video, looping: 1 RGB: 1 DVI
ENVIRONMENTAL		
Operating temperature	32° F – 104° F (0° C – 40° C)	32° F – 104° F (0° C – 40° C)
Operating humidity	20% - 80% non condensing	20% - 80% non condensing
PHYSICAL		
Unit weight	10.8 lbs. (17"), 12.6 lbs. (19")	10.8 lbs. (17"), 12.6 lbs. (19")
Shipping weight	16 lbs. (17"), 18 lbs. (19")	16 lbs. (17"), 18 lbs. (19")
RECOMMENDED MOUNTS		
Wall mount	PMCL-WM, PMCL-WMT, PMCL-WM1A	PMCL-WM, PMCL-WMT, PMCL-WM1A
Ceiling mount	PMCL-CM, PMCL-CMP	PMCL-CM, PMCL-CMP
Rack mount	PMCL-17ARM, PMCL-19ARM	PMCL-17ARM, PMCL-19ARM
Certifications	CE class B; FCC class B; UL/cUL listed; C-Tick; S-Mark; ENERGY STAR® certified	CE class B; FCC class B; UL/cUL listed; C-Tick; S-Mark; ENERGY STAR certified
Warranty	3 years	3 years

	500 Series desktop	500 Series large format
	PMCL524BL	**PMCL532BL, PMCL42BL, PMCL46BL, and PMCL55BL**
GENERAL		
Native resolution	1920x1080	1920x1080
Brightness	250 nit	500 nit (typical)
Contrast ratio	1000:1	3000:1 (32"), 4000:1 (42", 46", 55")
Response time	5 ms	6.5 ms (typical)
Panel life	30K hours	50K hours
Viewing angle	170/160	178/178
Aspect ratio	16:9	16:9
ELECTRICAL		
Power consumption	<60 W	120 W (32"), 150 W (42"), 160 W (46"), <170 W (55")
Input voltage	100 to 240 Vac, 50/60 Hz	100 to 240 Vac, 50/60 Hz
Video input	1 BNC, looping: 1 S-video, looping: 1 RGB: 1 DVI: 1 HDMI	1 S-video; 1 component video; 1 video in, 1 video out; 1 display port*; 1 HDMI; 1 DVI in; 1 VGA out, 1 VGA in (*not available on PMCL532BL)
ENVIRONMENTAL		
Operating temperature	32° F – 104° F (0° C – 40° C)	32° F – 104° F (0° C – 40° C)
Operating humidity	10% – 90% non condensing	20% – 80% non condensing
PHYSICAL		
Unit weight	11.0 lbs.	27.6 lbs. (32"), 44.1 lbs. (42"), 50.0 lbs. (46"), 66.6 lbs. (56")
Shipping weight	20.1 lbs.	35.7 lbs. (32"), 62.0 lbs. (42"), 67.2 lbs. (46"), 87.3 lbs. (56")
RECOMMENDED MOUNTS		
Wall mount	PMCL-WM, PMCL-WMT, PMCL-WM1A	PMCLNBWMT (tilt), PMCLNBWMF (fixed), PMCLNBWMS (arm)
Ceiling mount	PMCL-CM, PMCL-CMP	PMCL-CM, PMCL-CMP (32" only)
Rack mount	N/A	N/A
Certifications	CE Cclass B; FCC class B; UL/cUL listed; C-Tick; CCC; GOST-R; NOM	CE class B; FCC class B; UL/cUL listed; C-Tick; CCC; GOST-R; NOM, ENERGY STAR Level 5.1 compliant
Warranty	3 years	3 years

Accessories: Enclosures

With convenient IP-centric-available features such as built-in PoE camera power, and megapixel-optimized front windows, these new additions to the Pelco enclosure family will help protect camera investments today and well into the future.

Environmental enclosures

	EH1512	**EH2500**	**EH3508**	**EH3512/EH3515**
Maximum camera size*	22.86 L x 7.92 W x 7.62 H cm (9" x 3.12" x 3")	13.34 L (up to 33.66 L cm) x 6.99 W x 6.99 H cm [5.25" (up to 13.25") x 2.75" x 2.75"]	12.7 L (up to 17.27 L cm) x 7.28 W x 7.62 H cm [5" (up to 6.8") x 2.87" x 3"]	22.86 L (up to 33.66 L cm) x 7.28 W x 7.62 H cm [10.25" (up to 13.25") x 2.87" x 3"]
Viewing window	3 mm thick scratch resistant Lexan®	0.95 mm thick Lexan®	4.7 mm thick Lexan®	4.76 mm thick Lexan®
Cable entry	1 x PG9 and 1 PG11 compression gland on bottom	Two adjustable 1/2-NPT liquid tight glands on back	Two PG13.5 compression glands on bottom	Two PG13.5 compression glands on bottom
Lid fastening	3 allen-head screws	Two captive screws	Link-lock no. 3 can be secured with a padlock (not supplied)	Link-lock no. 3 stainless steel can be secured with a padlock (not supplied)
Environment	IP66 and NEMA Type 4X	IP66 and NEMA Type 4	IP66 and NEMA Type 4	IP66 and NEMA Type 4
Power input	24 Vac; 120 Vac and 230 Vac	24 Vac; 120 Vac and 230 Vac for heater	24 Vac; 120 Vac and 230 Vac @ 50/60 Hz	24 Vac; 120 Vac and 230 Vac
Heater/defroster/blower	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes
Certifications	CE/UL/cUL	CE/UL/cUL	CE/UL/cUL	CE/UL/cUL

*Accepts camera and lens combinations (assumes lens is fully extended)

General purpose enclosures

	EH4700 Outdoor, medium	**EH5700** Outdoor, large	**EH8100** Pressurized	**EHX*E** Explosion proof
Maximum camera size*	33.02 L (up to 53.34 L cm) x 12.07 W x 10.795 H cm [13" (up to 21") x 5.5" x 4.25"]	39.37 L (up to 71.12 L cm) x 15.88 W x 13.97 H cm [15.5" (up to 28") x 6.25" x 5.5"]	35.56 L (up to 45.72 L cm) x 6.35 W x 6.35 H cm [14" (up to 18") x 2.5" x 2.5"]	6.990 H to 14.6 x 8.57 to 13.20 W x 7.62 to 60.96 H cm (2.750 to 5.75 cm x 3.375 to 5.125 x 12 to 24 cm
Viewing window	6.35 mm thick Lexan®	6.35 mm thick glass	5.715 mm thick tempered glass	Fully tempered plate glass 10.8/11.43/ 14.92 cm, depending on model
Cable entry	Two PG13.5 compression glands on bottom	Two PG13.5 UL glands on bottom	16-pin receptical with jam nut connects to MS connector	2 explosion-proof sealable fittings
Lid fastening	Link-lock no. 3 stainless steel can be secured with a padlock (not supplied)	Link-lock no. 3 stainless steel can be secured with a padlock (not supplied)	Sealed and pressurized	Sealed
Environment	NEMA Type 3R	NEMA Type 3R	IP67 and NEMA Type 6	Explosion proof and marine
Power input	24 Vac; 120 Vac and 230 Vac @ 50/60 Hz	24 Vac; 120 Vac and 230 Vac @ 50/60 Hz	120/230 Vac	24 Vac; 120 Vac and 230 Vac
Heater/defroster/ blower/wiper	Yes/Yes/Yes/No	Yes/Yes/Yes/Yes	Yes/Yes/Yes/No	Yes/Yes/Yes/No
Certifications	CE/UL/C-tick	CE/UL/C-tick	CE/UL/cUL	CE/UL/cUL

*Accepts camera and lens combinations (assumes lens is fully extended)

Accessories: Enclosures

With convenient IP-centric-available features such as built-in PoE camera power, and megapixel-optimized front windows, these new additions to the Pelco enclosure family will help protect camera investments today and well into the future.

	Fortified enclosures systems			
	FH-H1 Series High temperature	**FH-L1 Series** Low temperature	**FH-M1 Series** High humidity	**FH-S1 Series** Solar powered
Maximum camera size*	Analog or IP camera and lens included 136 H x 79 L x 76 W mm (5.4" x 3.12" x 3")	Analog or IP camera and lens included 136 H x 79 L x 76 W mm (5.4" x 3.12" x 3")	Analog or IP camera and lens included 136 H x 79 L x 76 W mm (5.4" x 3.12" x 3")	Analog or IP camera and lens included 136 H x 79 L x 76 W mm (5.4" x 3.12" x 3")
Viewing window	6.35 mm thick Lexan®	6.35 mm thick Lexan®	6.35 mm thick Lexan®	6.35 mm thick Lexan®
Cable entry	Wiring and mount arm factory installed	Wiring and mount arm factory installed	Wiring and mount arm factory installed	Wiring and mount arm factory installed
Environment	IP66	IP66	IP66	IP66
Vandal	IK10	IK10	IK10	IK10
Power input	24 Vac; 120 Vac and 230 Vac	24 Vac; 120 Vac and 230 Vac	24 Vac; 120 Vac and 230 Vac	24 Vac; 120 Vac and 230 Vac
Heater/defroster/blower	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes
Hinged lid	Yes	Yes	Yes	Yes
Certifications	CE / UL / cUL	CE / UL / cUL	CE / UL / cUL	CE / UL / cUL
Fiber optic media converter	Optional	Optional	Optional	Optional

*Complete camera, lens, housing system included

	High security enclosures		
	HS1500 Ceiling/wall mount	**HS2100** Low profile wedge	**HS3000** Corner mount
Maximum camera size*	10.16 L x 10.16 W x 20.32 W cm (4.0" x 4.0" x 8.0")	7.62 L x 10.16 W x 25.4 W cm (3.0" x 4.0" x 10.0")	9.53 L x 8.25 W x 22.86 W cm (3.75" x 3.25" x 9.0")
Viewing window	12.7 mm thick Lexan®	12.7 mm thick Lexan®	Smoked 6.35 mm thick Lexan®
Cable entry	Access through back and top	Two conduit knock outs on upper back box	Three 1.27cm cable knock-out holes
Environment	Indoor NEMA Type 1	Indoor NEMA Type 1	Indoor
Power input	NA	NA	24 Vac/110 Vac for heater
Vandal	Tamper switch/vandal resistant	Tamper-resistant screw	Tamper switch/vandal resistant
Heater/defroster/blower	Yes/No/Yes	No/No/No	Yes/No/No
Certifications	UL	NA	UL

*Accepts camera and lens combinations (assumes lens is fully extended)

Accessories: PoE Midspan

Powering the next generation IP security networks requires standardized power sources designed to protect sensitive edge devices and cameras. These Power over Ethernet midspans are engineered to provide the highest level of protection with standardized IEEE power sources and network management tools to manage IP assets remotely.

	PoE midspans				
	1 Single channel	**4 Channel**	**8 Channel**	**16 Channel**	**1 Single channel**
Number of channels	1	4	8	16	1
Data rate	10/100/1000 Base T	10/100/1000 Base T	10/100/1000 Base T	10/100/1000 Base T	10/100/1000 Base T
Maximum power output	30W	134W	269W	538W	19W
Power input	AC 90 to 264 Vac with frequency range 47 to 63 Hz.	AC 90 to 264 Vac with frequency range 47 to 63 Hz.	AC 90 to 264 Vac with frequency range 47 to 63 Hz.	AC 90 to 264 Vac with frequency range 47 to 63 Hz.	33.4W
Operating temperature	32° F – 104° F (0° C – 40° C)	32° F – 104° F (0° C – 40° C)	32° F – 104° F (0° C – 40° C)	32° F – 104° F (0° C – 40° C)	32° F – 131° F (0° C – 55°C) @ 10 MB and 100 MB rates; 32° F – 104°F (0° C – 40°C) @ GB rates
LED indicators	Power on/fault detection	Power on/fault detection	Power on/fault detection	Power on/fault detection	Power on/fault detection
IEEE 802.3 at compliance	Fully compliant detection, disconnect, over voltage and current protection	Fully compliant detection, disconnect, over voltage and current protection	Fully compliant detection, disconnect, over voltage and current protection	Fully compliant detection, disconnect, over voltage and current protection	Fully compliant detection, disconnect, over voltage and current protection
Power connector	US power cord or EU power cord	US power cord or EU power cord	US power cord or EU power cord	US power cord or EU power cord	US power cord or EU power cord
Mounting	Desktop	Desktop with optional rack mount	Rack mount	Rack mount	Desktop and ears for wallmounting
Network management	NA	Web interface and SNMP management	Web interface and SNMP management	Web interface and SNMP management	NA
Certifications	UL/cUL/CE/ FCC	UL/cUL/CE/ FCC	UL/cUL/CE/ FCC	UL/cUL/CE/ FCC	CE

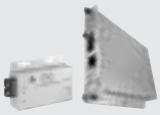
Accessories: IR Illuminators

For low-light scenes, proper illumination makes the difference between usable and non-usable video. For increased megapixel camera performance in low light situations, and for lower energy consumption and reduced bandwidth-consuming night scene video noise, choose from a wide range of Pelco IR and White Light low-voltage illumination systems.

	Semi covert and covert IR Illuminator			White light LED IR Illuminator		
	IR850S-65/IR940S-30 Small	**IR850M-120/IR940M-60** Medium	**IR850L-220/IR940L-110** Large	**WLEDS-50** Small	**WLEDM-90** Medium	**WLEDL-150** Large
Max range	65M/30M	120M/60M	220M/110M	50M	90M	150M
Variable focal lenth	10 to 120° using interchangeable defuser	10 to 120° using interchangeable defuser	10 to 120° using interchangeable defuser	10 to 120° using interchangeable defuser	10 to 120° using interchangeable defuser	10 to 120° using interchangeable defuser
Wavelength	850nm/940nm	850nm/940nm	850nm/940nm	White light	White light	White light
Input power	24W	24W	24W	24W	24W	24W
Input voltage	12-24V AC/DC	12-24V AC/DC	12-24V AC/DC	12-24V AC/DC	12-24V AC/DC	12-24V AC/DC
Vandal resistance	IK9	IK9	IK9	IK9	IK9	IK9
Warranty	5 years	5 years	5 years	5 years	5 years	5 years
Environment	IP66/NEMA 4	IP66/NEMA 4	IP66/NEMA 4	IP66/NEMA 4	IP66/NEMA 4	IP66/NEMA 4
Accessories	Remote setup tool/wall bracket	Remote setup tool/wall bracket	Remote setup tool/wall bracket	Remote setup tool/wall bracket	Remote setup tool/wall bracket	Remote setup tool/wall bracket
Certifications	CE/UL/FCC	CE/UL/FCC	CE/UL/FCC	CE/UL/FCC	CE/UL/FCC	CE/UL/FCC

IP video transmission solutions

Pelco IP fiber optic and Ethernet network products deliver the high-level performance that video security applications demand. By offering very reliable, robust transmission systems, any long-distance transmission challenge can be easily overcome.

	Ethernet media converters	Ethernet media converters (requiring FSFP module)	
	 **FMCI-AF & FMCI-BF Series****	**FMCI-PF Series**	**FMCI-PG Series**
ELECTRICAL			
Number of TX electrical ports	1	1 (mini); up to 2 (standard)	1 (mini); up to 2 (standard)
TX data rate	10/100 Mbps	10/100 Mbps, Ethernet	10/100/1000 Mbps, Ethernet
Operating mode	Full-duplex or half-duplex	Full-duplex or half-duplex	Full-duplex or half-duplex
OPTICAL			
Number of FX optical ports	Up to 2	1 (mini); up to 2 (standard)	1 (mini); up to 2 (standard)
FX data rate	100 Mbps	100 Mbps	1000 Mbps
Operating mode	Full-duplex	Full-duplex	Full-duplex
GENERAL			
Operating temperature	–40° F to 167° F (–40° C to 75° C)	–40° F to 167° F (–40° C to 75° C)	–40° F to 167° F (–40° C to 75° C)
Power input	(Standard Size) 8 to 24 VDC at 220 mA (from rack); (Mini) AC/DC 22 to 27 VAC at 100 mA or 8 to 24 VDC at 220 mA	8 to 15 Vdc	8 to 15 Vdc
LED indicators	Optical link, data; electrical link, data; power	Optical link, data activity	Optical link, data activity
Wavelength	1310/1550nm	FSFP dependent*	FSFP dependent*
Number of fibers	1	FSFP dependent*	FSFP dependent*
Optical power budget (MM/SM)	10 dB /15 dB	FSFP dependent*	FSFP dependent*
Fiber support distances	Up to 3 km (2 mi) multimode: up to 20 km (12 mi) singlemode	Up to 80 km (49.7 mi)*	Up to 120km (74.5 mi)*
Standalone/rack-mountable	Yes	Yes	Yes
Number of rack slots	1 (standard size); N/A (mini)	1 (FMCI-PF1 and PMCI-PF2 models only)	1 (FMCI-PG1 and PMCI-PG2 models only)
Optical connector	ST, 1 fiber	FSFP dependent*	FSFP dependent*
Power connector	Terminal block	Terminal block	Terminal block
Electrical connector	RJ-45	RJ-45	RJ-45
Certifications	CE, class A; FCC, class A; UL/cUL listed; C-Tick; RoHS; IEEE 802.3; designed to meet NEMA TS 1/TS 2 and Caltrans traffic signal control equipment environmental standards	CE, class E; FCC, Part 15; UL listed; C-Tick; IEEE 802.3; designed to meet NEMA TS 1/TS 2 and Caltrans traffic signal control equipment environmental standards	CE, class E; FCC, Part 15; UL listed; C-Tick; IEEE 802.3; designed to meet NEMA TS 1/TS 2 and Caltrans traffic signal control equipment environmental standards

*Requires selection of interchangeable FSFP modules (must be ordered separately) for specific fiber type, distance, and connector."

** Standard mount DC-only & mini AC/DC power media converters

IP video transmission solutions

Systems make use of customer-installed, interchangeable Small Form-Factor Pluggable transceivers (FSFP units, sold separately) for compatibility with a wide range of optical fibers, optical connector types, and optical transmission distances.

	Unmanaged Ethernet switches (requiring FSFP module)	
	FUMS-F Series	**FUMS-G Series**
ELECTRICAL		
Number of TX electrical ports	Up to 8	Up to 8
TX data rate	10/100 Mbps	10/100/1000 Mbps
Operating mode	Full-duplex or half-duplex	Full-duplex or half-duplex
OPTICAL		
Number of FX Optical Ports	Up to 8	Up to 8
FX Data Rate	100 Mbps	1000 Mbps
Operating Mode	Full-duplex	Full-duplex
GENERAL		
Operating Temperature	–40° F to 167° F (–40° C to 75° C)	–40° F to 167° F (–40° C to 75° C)
Power Input	9 to 24 Vdc	9 to 24 Vdc
LED Indicators	Optical link, data; electrical link, data; power	Optical link, data; electrical link, data; power
Wavelength	FSFP dependent*	FSFP dependent*
Number of Fibers	FSFP dependent*	FSFP dependent*
Fiber Support Distances	FSFP dependent*	FSFP dependent*
Standalone/Rack-Mountable	Yes	Yes
Number of Rack Slots	Up to 2	Up to 2
Optical Connector	FSFP dependent*	FSFP dependent*
Power Connector	Terminal block	Terminal block
Electrical Connector	RJ-45	FSFP dependent*
Certifications	CE, class E; FCC, Part 15; UL Listed; C-Tick; IEEE 802.3; designed to meet NEMA TS 1/TS 2 and Caltrans traffic signal control equipment environmental standards	CE, class E; FCC, Part 15; UL Listed; C-Tick; IEEE 802.3; designed to meet NEMA TS 1/TS 2 and Caltrans traffic signal control equipment environmental standards

*Requires selection of interchangeable FSFP modules (must be ordered separately) for specific fiber type, distance, and connector.

	Small form-factor pluggable**	
	FSFP-E Series	**FSFP-A & FSFP-B Series**
ELECTRICAL		
Operating mode	Fiber or copper	Fiber
OPTICAL		
Number of FX optical ports	2	1
FX DATA RATE	FSFP dependent*	FSFP dependent*
Operating mode	Multimode, singlemode	Multimode, Singlemode
GENERAL		
Operating Ttemperature	–40° F to 167° F (–40° C to 75° C)	–40° F to 167° F (–40° C to 75° C)
Power input	MSA compliant	MSA compliant
LED indicators	None	None
Wavelength	Up to 1550 nm	1310nm/1550nm (FSFP-A only), 1550nm/1310nm (FSFP-B only)
Number of fibers	2, N/A for copper	1
Fiber support distances	Up to 120km (74.5mi) singlemode, up to 2km (1.2mi) multimode	Up to 60km (37.3mi) singlemode, Up to 2km (1.2mi) multimode
Standalone/rack-mountable	N/A	N/A
Number of rack slots	N/A	N/A
Optical connector	LC	LC, SC
Optical loss budget	FSFP dependent*	FSFP dependent*
Power connector	N/A	N/A
Electrical connector	RJ-45 (copper only)	N/A
Certifications	CE, class E; FCC, Part 15; UL listed; IEEE 802.3; complies with 21 CFP 1040.10 and 1040.11	CE, class E; FCC, Part 15; UL listed; IEEE 802.3; complies with 21 CFP 1040.10 and 1040.11

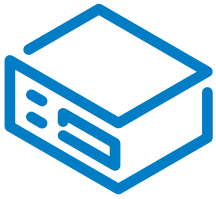
*Requires selection of FSFP modules for specific fiber type, distance, optical loss budget, and connector.
**Required for use with all Pelco FSFP configurable products.

End-to-end video security

Pelco produces the industry's broadest and most respected offering of IP and analog video security systems. From megapixel and integrated positioning systems to video management and software-only solutions, Pelco is committed to providing complete, end-to-end solutions backed by the most comprehensive customer support in the video security industry.

As part of Schneider Electric, Pelco connects you to the global specialist in energy and security management, and has the ability to deliver integrated security and building management solutions that let you control your entire security landscape across enterprises, from a single user interface.

Capture.



Manage.

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